We create chemistry

Safety data sheet

BASF safety data sheet. This is a translation of the country-specific safety data sheet into a language other than that required by law. This document does not replace the safety data sheet provided according to Regulation (EC) No 1907/2006.
Date / Revised: 14.05.2025 Version: 5.0
Date / Previous version: 12.09.2023 Previous version: 4.0
Product: **SOLVENON® PM**

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

SOLVENON® PM

Chemical name: 1-methoxy-2-propanol
INDEX-Number: 603-064-00-3
CAS Number: 107-98-2

REACH registration number: 01-2119457435-35-0004, 01-2119457435-35-0033, 01-2119457435-35-0032, 01-2119457435-35-0036, 01-2119457435-35

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: solvent(s)

For the detailed identified uses of the product see appendix of the safety data sheet.

1.3. Details of the supplier of the safety data sheet

Company:
BASF SE
67056 Ludwigshafen
GERMANY
Operating Division Petrochemicals

Telephone: +49 621 60-42151
E-mail address: sds-petrochemicals@basf.com

1.4. Emergency telephone number

International emergency number:
Telephone: +49 180 2273-112

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

According to Regulation (EC) No 1272/2008 [CLP]

Flam. Liq. 3	H226 Flammable liquid and vapour.
STOT SE 3	H336 May cause drowsiness or dizziness.

For the classifications not written out in full in this section the full text can be found in section 16.

2.2. Label elements

According to Regulation (EC) No 1272/2008 [CLP]

Pictogram:

Signal Word:

Warning

Hazard Statement:

H226	Flammable liquid and vapour.
H336	May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P271	Use only outdoors or in a well-ventilated area.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves and eye protection or face protection.

Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.

Precautionary Statements (Storage):

P233	Keep container tightly closed.

Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.

Hazard determining component(s) for labelling: 1-methoxy-2-propanol

2.3. Other hazards

According to Regulation (EC) No 1272/2008 [CLP]

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.
See section 12 - Results of PBT and vPvB assessment.
Product does not contain a substance above legal limits included in the list established in accordance with Article 59(1) of Regulation (EC) No 1907/2006 for having endocrine disrupting

properties or is identified to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/Information on Ingredients

3.1. Substances

Chemical nature

1-methoxy-2-propanol

Content (W/W): >= 99,5 %	Flam. Liq. 3
CAS Number: 107-98-2	STOT SE 3 (drowsiness and dizziness)
EC-Number: 203-539-1	H226, H336
INDEX-Number: 603-064-00-3	
Substance with EU occupational exposure limit	

Regulatory relevant ingredients

1-methoxy-2-propanol

Content (W/W): >= 99,5 % - <= 100 %	Flam. Liq. 3
CAS Number: 107-98-2	STOT SE 3 (drowsiness and dizziness)
EC-Number: 203-539-1	H226, H336
INDEX-Number: 603-064-00-3	
Substance with EU occupational exposure limit	

2-methoxypropanol

Content (W/W): >= 0 % - < 0,3 %	Flam. Liq. 3
CAS Number: 1589-47-5	Skin Irrit. 2
EC-Number: 216-455-5	Eye Dam. 1
INDEX-Number: 603-106-00-0	Repr. 1B (unborn child)
	STOT SE 3 (irr. to respiratory syst.)
	H226, H318, H315, H335, H360D

For the classifications not written out in full in this section, including the hazard classes and the hazard statements, the full text is listed in section 16.

3.2. Mixtures

Not applicable

SECTION 4: First-Aid Measures

4.1. Description of first aid measures

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

If inhaled:
Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:
Wash thoroughly with soap and water

On contact with eyes:
Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:
Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Hazards: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11. (Further) symptoms and / or effects are not known so far

4.3. Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing media

Suitable extinguishing media:
dry powder, water spray, carbon dioxide, alcohol-resistant foam

Unsuitable extinguishing media for safety reasons:
water jet

Additional information:
Use extinguishing measures to suit surroundings.

5.2. Special hazards arising from the substance or mixture

Advice: Flammable liquid Cool endangered containers with water-spray. See SDS section 7 - Handling and storage.

5.3. Advice for fire-fighters

Special protective equipment:
Wear a self-contained breathing apparatus. Special protective equipment for firefighters

Further information:
Evacuate area of all unnecessary personnel. Fight fire from maximum distance.

Extend fire extinguishing measures to the surroundings. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

SECTION 6: Accidental Release Measures

High risk of slipping due to leakage/spillage of product.

Release of substance/product can cause fire or explosion. Shut off or stop source of leak. Shut off or stop released substance/product under safe conditions.

Pack in tightly closed containers for disposal.

6.1. Personal precautions, protective equipment and emergency procedures

Handle in accordance with good industrial hygiene and safety practice.

Avoid all sources of ignition: heat, sparks, open flame. Use antistatic tools.

6.2. Environmental precautions

Discharge into the environment must be avoided. Collect contaminated washing water for appropriate disposal.

6.3. Methods and material for containment and cleaning up

Pick up with suitable appliance and dispose of. Spills should be contained, solidified, and placed in suitable containers for disposal. Dispose of absorbed material in accordance with regulations.

6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:
Avoid all sources of ignition: heat, sparks, open flame. Ground all transfer equipment properly to prevent electrostatic discharge.

Electrical devices must meet the specified temperature class.

Temperature class: T3 (Autoignition temperature >200 °C).

7.2. Conditions for safe storage, including any incompatibilities

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

Storage class according to TRGS 510 (originally VCI, Germany): (3) Flammable liquids

7.3. Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

Components with occupational exposure limits

The surveillance of the workplace by exposure measurements may be necessary, in order to prove the efficiency of safety measures, for example ventilation or the need of respiratory protection. Since this requires a specific competency, only accredited laboratories should be contracted. Regarding suitable methods to assess inhalation exposure, the European Standards EN 482, 689 and 14042 are to be considered. In addition, the TRGS 402 has to be observed in Germany.

107-98-2: 1-methoxy-2-propanol

STEL value 568 mg/m3 ; 150 ppm (OEL (EU))
indicative
Skin Designation (OEL (EU))
The substance can be absorbed through the skin.
TWA value 375 mg/m3 ; 100 ppm (OEL (EU))
indicative
Short Term Exposure Classification: (TRGS 900 (DE))
Category I: Substances for which the localized effect has an assigned exposure limit or for substances with a sensitizing effect in respiratory passages

OEL 370 mg/m3 ; 100 ppm (TRGS 900 (DE))
Ceiling limit value/factor: 2
If the occupational exposure limit value (AGW) and the biological limit value (BGW) are complied with, there should be no risk of damage for the unborn child (see TRGS 900, Number 2.7)
Skin Designation (EU SCOEL)
The substance can be absorbed through the skin.
TWA value 375 mg/m3 ; 100 ppm (EU SCOEL)
Ceiling limit value/factor: 8HR
STEL value 563 mg/m3 ; 150 ppm (EU SCOEL)
Ceiling limit value/factor: 15 min

1589-47-5: 2-methoxypropanol
Skin Designation (TRGS 900 (DE))
The substance can be absorbed through the skin.
OEL 19 mg/m3 ; 5 ppm (TRGS 900 (DE))
Ceiling limit value/factor: 2
Even if the AGW and BGW values are complied with, there still may be a risk of reproductive damage (see Number 2.7).
Short Term Exposure Classification: (TRGS 900 (DE))
Category I: Substances for which the localized effect has an assigned exposure limit or for substances with a sensitizing effect in respiratory passages

Biological limit values (BLV)

TRGS 903 (DE)
Determinant: 1-Methoxypropan-2-ol
Biological Specimen: Urine
Sampling time: End of shift
Concentration: 15 mg/l

PNEC

freshwater: 10 mg/l

marine water: 1 mg/l

intermittent release: 100 mg/l

STP: 100 mg/l

sediment (freshwater): 41,6 mg/kg

soil: 2,47 mg/kg

sediment (marine water): 4,17 mg/kg

DNEL

worker:
Short-term exposure - systemic and local effects, Inhalation: 553,5 mg/m3

worker:
Long-term exposure- systemic effects, dermal: 183 mg/kg

worker:
Long-term exposure- systemic effects, Inhalation: 369 mg/m3

consumer:
Long-term exposure- systemic effects, dermal: 78 mg/kg

consumer:
Long-term exposure- systemic effects, Inhalation: 43,9 mg/m3

consumer:
Long-term exposure- systemic effects, oral: 33 mg/kg

8.2. Exposure controls

Personal protective equipment

Respiratory protection:
Gas filter for gases/vapours of organic compounds (boiling point >65 °C, e. g. EN 14387 Type A)

Hand protection:
Chemical resistant protective gloves (EN ISO 374-1)
Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):
butyl rubber (butyl) - 0.7 mm coating thickness
Manufacturer's directions for use should be observed because of great diversity of types.
Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Eye protection:
Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:
Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is required additionally to the stated personal protection equipment.

Environmental exposure controls

All appropriate measures must be taken to prevent the release of this product to the environment and to limit the dispersion of any release when it occurs. Suitable risk management measures should be in place.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

State of matter:	liquid	
Form:	liquid	
Colour:	colourless	
Odour:	mild, alcohol-like	
Odour threshold:	not determined	
Melting point:	-95 °C (1.013 hPa) Literature data.	(other)
Boiling point:	119,8 °C (1.013 hPa)	(other)
Flammability:	Flammable liquid and vapour.	(derived from flash - and boiling point)
Lower explosion limit:	1,7 %(V) (27 °C) The lower explosion point of the substance/mixture has been determined. The explosion point describes the temperature of a flammable liquid at which the concentration of the saturated vapour mixed with air equals the lower explosion limit.	(air)
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Flash point:	31,5 °C	(DIN 51755, closed cup)
Auto-ignition temperature:	287 °C	(Directive 92/69/EEC, A.15)
Thermal decomposition:	No data available.	
pH value:	(20 °C) soluble, neutral	
Viscosity, dynamic:	1,81 mPa.s (20 °C) Literature data.	
Thixotropy:	not thixotropic	
Solubility in water:	Literature data., miscible (20 °C)	(other)
Solubility (qualitative) solvent(s):	organic solvents soluble	

Partitioning coefficient n-octanol/water (log Kow):	-0,43 (25 °C) Literature data.	(measured)
Vapour pressure:	17,1 hPa (25,1 °C) dynamic	(measured)
Relative density:	0,92 (20 °C)	
Density:	0,92 g/cm3 (20 °C, 1.013 hPa)	(DIN 51757)
Relative vapour density (air):	3,1 (20 °C) Heavier than air.	(calculated)

9.2. Other information

Information with regard to physical hazard classes

Explosives

Explosion hazard:	Based on the chemical structure there is no indication of explosive properties.
Impact sensitivity:	not shock-sensitive Based on the chemical structure there is no shock-sensitivity.

Oxidizing properties

Fire promoting properties:	Based on its structural properties the product is not classified as oxidizing.

Flammable liquids

Sustained combustibility:

not determined

Pyrophoric properties

Self-ignition temperature:	Temperature: 20 °C	Test type: Spontaneous self-ignition at room-temperature.

Based on its structural properties the product is not classified as self-igniting.

Substances and mixtures, which emit flammable gases in contact with water

Formation of flammable gases:

Forms no flammable gases in the presence of water.

Corrosion to metals

No corrosive effect on metal.

Other safety characteristics

pKA:

The substance does not dissociate.

Adsorption/water - soil:	log KOC: -0,69 Adsorption to solid soil phase is not expected.	(calculated)
Surface tension:	70,7 mN/m (20 °C) Based on chemical structure, surface activity is not to be expected.	(OECD Guideline 115, OECD harmonized ring method)
Molar mass:	90,12 g/mol	
SAPT-Temperature:	Study scientifically not justified.	
Evaporation rate:	Value can be approximated from Henry's Law Constant or vapor pressure.	

SECTION 10: Stability and Reactivity

10.1. Reactivity

When heated can give off ignitable vapours.

Corrosion to metals:	No corrosive effect on metal.	
Formation of flammable gases:	Remarks:	Forms no flammable gases in the presence of water.

10.2. Chemical stability

The product is stable if stored and handled as prescribed/indicated.

10.3. Possibility of hazardous reactions

Reacts with strong oxidizing agents.

10.4. Conditions to avoid

Avoid extreme heat. Avoid sources of ignition.

10.5. Incompatible materials

Substances to avoid:
strong oxidizing agents

10.6. Hazardous decomposition products

Hazardous decomposition products:
No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11: Toxicological Information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Assessment of acute toxicity:

Of low toxicity after single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact.

Experimental/calculated data:

LD50 rat (oral): 4.016 mg/kg (similar to OECD guideline 401)
LC0 rat (by inhalation): > 7000 ppm 6 h (similar to OECD guideline 403)
The vapour was tested.
LD50 rat (dermal): > 2.000 mg/kg (similar to OECD guideline 402)

Irritation

Assessment of irritating effects:

Not irritating to the skin. Not irritating to the eyes.

Experimental/calculated data:

Skin corrosion/irritation

rabbit: non-irritant (similar to OECD guideline 404)

Serious eye damage/irritation

rabbit: non-irritant (similar to OECD guideline 405)

Respiratory/Skin sensitization

Assessment of sensitization:

Skin sensitizing effects were not observed in animal studies.

Experimental/calculated data:

guinea pig: Non-sensitizing. (other)

Germ cell mutagenicity

Assessment of mutagenicity:

The substance was not mutagenic in bacteria. The substance was not mutagenic in mammalian cell culture. The substance was not mutagenic in a test with mammals.

Carcinogenicity

Assessment of carcinogenicity:
In long-term studies in rats and mice in which the substance was given by inhalation, a carcinogenic effect was not observed.

Reproductive toxicity

Assessment of reproduction toxicity:
The results of animal studies gave no indication of a fertility impairing effect.

Developmental toxicity

Assessment of teratogenicity:

No indications of a developmental toxic / teratogenic effect were seen in animal studies.

Experiences in humans

Experimental/calculated data:

High concentrations have a narcotizing effect.

Specific target organ toxicity (single exposure)

Assessment of STOT single:
Possible narcotic effects (drowsiness or dizziness).

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

No adverse effects were observed after repeated dermal exposure in animal studies. The substance may cause damage to the liver after repeated inhalation of high doses. The substance may cause damage to the liver after repeated ingestion of high doses, as shown in animal studies.

Aspiration hazard

not applicable

Interactive effects

No data available.

11.2. Information on other hazards

Endocrine disrupting properties

The substance is not identified to have endocrine disrupting properties according to Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 nor is included in the Candidate List of substances of very high concern according to EU REACh Article 59 for having endocrine disrupting properties.

SECTION 12: Ecological Information

12.1. Toxicity

Assessment of aquatic toxicity:
There is a high probability that the product is not acutely harmful to aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Toxicity to fish:
LC50 (96 h) > 6.800 mg/l, Leuciscus idus (DIN 38412 Part 15, static)
Nominal concentration.

Aquatic invertebrates:
LC50 (48 h) 23.300 mg/l, Daphnia magna (Daphnia test acute, static)
Nominal concentration.

Aquatic plants:
EC50 (7 d) > 1.000 mg/l (growth rate), Pseudokirchneriella subcapitata (Algal growth inhibition test)
Nominal concentration.

Microorganisms/Effect on activated sludge:
EC50 (3 h) > 1.000 mg/l, activated sludge, domestic (OECD Guideline 209)
Nominal concentration. Literature data.

Chronic toxicity to fish:
No data available.

Chronic toxicity to aquatic invertebrates:
No data available.

Assessment of terrestrial toxicity:
No data available.

12.2. Persistence and degradability

Assessment biodegradation and elimination (H2O):
Readily biodegradable (according to OECD criteria).

Elimination information:
90 - 100 % DOC reduction (28 d) (OECD 301E/92/69/EWG, C.4-B) (aerobic, municipal sewage treatment plant effluent)

Assessment of stability in water:
According to structural properties, hydrolysis is not expected/probable.
The product has not been tested. The statement has been derived from the structure of the product.

Information on Stability in Water (Hydrolysis):
According to structural properties, hydrolysis is not expected/probable.

12.3. Bioaccumulative potential

Assessment bioaccumulation potential:
Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected.

Bioaccumulation potential:
No data available.

12.4. Mobility in soil

Assessment transport between environmental compartments:
Volatility: The substance will not evaporate into the atmosphere from the water surface.
Adsorption in soil: Adsorption to solid soil phase is not expected.

12.5. Results of PBT and vPvB assessment

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not fulfill the criteria for PBT (Persistent/bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative).

12.6. Endocrine disrupting properties

The substance is not identified to have endocrine disrupting properties according to Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 nor is included in the Candidate List of substances of very high concern according to EU REACh Article 59 for having endocrine disrupting properties.

12.7. Other adverse effects

The substance is not listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

Results of PMT and vPvM assessment

The substance does not fulfill the PMT criteria. The substance does not fulfill the vPvM criteria.

Additional information

Adsorbable organically-bound halogen (AOX):
This product contains no organically-bound halogen.

Other ecotoxicological advice:
Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Dispose of in accordance with national, state and local regulations.

Contaminated packaging:
Disposal must be made according to official regulations.

SECTION 14: Transport Information

Land transport

ADR

UN number or ID number:	UN3092
UN proper shipping name:	1-METHOXY-2-PROPANOL
Transport hazard class(es):	3
Packing group:	III
Environmental hazards:	no
Special precautions for user:	Tunnel code: D/E

RID

UN number or ID number:	UN3092
UN proper shipping name:	1-METHOXY-2-PROPANOL
Transport hazard class(es):	3
Packing group:	III
Environmental hazards:	no
Special precautions for user:	None known

Inland waterway transport

ADN

UN number or ID number:	UN3092
UN proper shipping name:	1-METHOXY-2-PROPANOL
Transport hazard class(es):	3
Packing group:	III
Environmental hazards:	no
Special precautions for user:	None known

Transport in inland waterway vessel

UN number or ID number:	UN3092
UN proper shipping name:	1-METHOXY-2-PROPANOL
Transport hazard class(es):	3
Packing group:	III
Environmental hazards:	no
Type of inland waterway vessel:	N
Cargo tank design:	3

Cargo tank type: 2

Sea transport

IMDG

UN number or ID number:	UN 3092
UN proper shipping name:	1-METHOXY-2-PROPANOL
Transport hazard class(es):	3
Packing group:	III
Environmental hazards:	no Marine pollutant: NO
Special precautions for user:	EmS: F-E; S-D

Air transport

IATA/ICAO

UN number or ID number:	UN 3092
UN proper shipping name:	1-METHOXY-2-PROPANOL
Transport hazard class(es):	3
Packing group:	III
Environmental hazards:	No Mark as dangerous for the environment is needed
Special precautions for user:	None known

14.1. UN number or ID number
See corresponding entries for “UN number or ID number” for the respective regulations in the tables above.

14.2. UN proper shipping name
See corresponding entries for “UN proper shipping name” for the respective regulations in the tables above.

14.3. Transport hazard class(es)
See corresponding entries for “Transport hazard class(es)” for the respective regulations in the tables above.

14.4. Packing group
See corresponding entries for “Packing group” for the respective regulations in the tables above.

14.5. Environmental hazards

See corresponding entries for “Environmental hazards” for the respective regulations in the tables above.

14.6. Special precautions for user

See corresponding entries for “Special precautions for user” for the respective regulations in the tables above.

14.7. Maritime transport in bulk according to IMO instruments

Regulation:	IBC-Code
Product name:	Propylene glycol monoalkyl ether
Pollution category:	Z
Ship Type:	3

SECTION 15: Regulatory Information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Prohibitions, Restrictions and Authorizations

Annex XVII of Regulation (EC) No 1907/2006: Number on List: 3, 40

Hazardous Incident Ordinance (Germany):
List entry in regulation: 1.2.5.1
Classification applies for standard conditions of temperature and pressure.
List entry in regulation: 1.2.5.2
Classification applies for standard conditions of temperature and pressure.
List entry in regulation: 1.2.5.3
Classification applies for standard conditions of temperature and pressure.

Directive 2012/18/EU - Control of Major Accident Hazards involving dangerous substances (EU):
List entry in regulation: P5a
Classification applies for standard conditions of temperature and pressure.
List entry in regulation: P5b
Classification applies for standard conditions of temperature and pressure.
List entry in regulation: P5c
Classification applies for standard conditions of temperature and pressure.

Classification according to 'TA-Luft' (Germany):

5.2.5: Organic gases, general guidance

Water hazard class (§6 AwSV para.4 (Legal binding announcement of the substance in the Federal Gazette)): (1) Weakly water polluting. ID-No.: 1597

German Regulation TA Luft (Technical Instruction on Air Quality Control, i.e. first Directive to the Federal Immission Control Ordinance)
Law on the Protection of Working Youth

15.2. Chemical Safety Assessment

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

SECTION 16: Other Information

Assessment of the hazard classes according to UN GHS criteria (most recent version)

STOT SE 3 (May cause drowsiness and dizziness.)
Flam. Liq. 3
Acute Tox. 5 (oral)

Full text of the classifications, including the hazard classes and the hazard statements, if mentioned in section 2 or 3:

Flam. Liq.	Flammable liquids
STOT SE	Specific target organ toxicity — single exposure
Skin Irrit.	Skin irritation
Eye Dam.	Serious eye damage
Repr.	Reproductive toxicity
H226	Flammable liquid and vapour.
H336	May cause drowsiness or dizziness.
H318	Causes serious eye damage.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H360D	May damage the unborn child.

Abbreviations
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road. ADN = The European Agreement concerning the International Carriage of Dangerous Goods by Inland waterways. ATE = Acute Toxicity Estimates. CAO = Cargo Aircraft Only. CAS = Chemical Abstract Service. CLP = Classification, Labelling and Packaging of substances and mixtures. DIN = German national organization for standardization. DNEL = Derived No Effect Level. EC50 = Effective concentration median for 50% of the population. EC = European Community. EN = European Standards. IARC = International Agency for Research on Cancer. IATA = International Air Transport Association. IBC-Code = Intermediate Bulk Container code. IMDG = International Maritime Dangerous Goods Code. ISO = International Organization for Standardization. STEL = Short-Term Exposure Limit. LC50 = Lethal concentration median for 50% of the population. LD50 = Lethal dose median for 50% of the population. TLV = Threshold Limit Value. MARPOL = The International Convention for the Prevention of Pollution from Ships. NEN = Dutch Norm. NOEC = No Observed Effect Concentration. OEL = Occupational Exposure Limit. OECD = Organization for Economic Cooperation and Development. PBT = Persistent, Bioaccumulative and Toxic. PNEC = Predicted No Effect Level. PPM = Parts per million. RID = The European Agreement concerning the International Carriage of Dangerous Goods by Rail. TWA = Time

Weight Average. UN-number = UN number at transport. vPvB = very Persistent and very Bioaccumulative.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

Annex: Exposure Scenarios

Index

15. Use in De-icing and Anti-icing agents, (consumer use)
C; C; ERC8a, ERC8d; PC4

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1. Short title of exposure scenario

Manufacture of substance, (use in industrial settings)
IS; IS; ERC1; PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC15

Control of exposure and risk management measures

Contributing exposure scenario		
Use descriptors covered	ERC1: Manufacture of the substance	
Operational conditions		
Annual amount used in the EU	200.000.000 kg	
Daily amount per site	400.000 kg	
Minimum emission days per year Continuous	300	
Emission factor air	0,1 %	
Emission factor water	0,3 %	
Emission factor soil	0,01 %	
	Use in closed process Releases based on A&B-tables taken from TGD 2003	
Dilution factor river	10	
Dilution factor coast	100	
Risk Management Measures		
	Prevent discharge of undissolved substance to or recover from wastewater	
Type of STP		Municipal STP
Total effic. of removal from wastewater after RMMs and STP(%)		87,3 %
Assumed sewage treatment plant flow (m3/d)		2.000 m3/d
Waste-Related Measures		
	Dispose of waste cans and containers according to local regulations	
Exposure estimate and reference to its source		
Risk Characterization Ratio (RCR)	0,757	
	Risk from environmental exposure is driven by freshwater., Risk from environmental exposure is driven by marine water.	

Maximum amount of safe use	527.982 kg/d
Risk from environmental exposure is driven by freshwater., Risk from environmental exposure is driven by marine water.	

Contributing exposure scenario	
Use descriptors covered	PROC1: Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions. Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	0,04 mg/m³
Risk Characterization Ratio (RCR)	0,0001
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0,34 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,01
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions General exposures Continuous process (closed systems) with sample collection Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient

	temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	37,54 mg/m³
Risk Characterization Ratio (RCR)	0,1
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1,37 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,03
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions Process sampling (closed systems) Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	15 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	3,75 mg/m³
Risk Characterization Ratio (RCR)	0,01
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0,34 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,01
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions Bulk product storage (closed systems) Use domain: industrial
Operational conditions	

Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	37,54 mg/m³
Risk Characterization Ratio (RCR)	0,1
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1,37 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,03
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition Use in contained batch processes Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	93,85 mg/m³
Risk Characterization Ratio (RCR)	0,25
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0,34 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,01
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario

Use descriptors covered	PROC4: Chemical production where opportunity for exposure arises General exposures (open systems) Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	75,08 mg/m³
Risk Characterization Ratio (RCR)	0,2
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	6,86 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,14
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Equipment maintenance Cleaning Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	187,71 mg/m³
Risk Characterization Ratio (RCR)	0,51
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	13,71 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,27

Guidance to Downstream Users
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3

Contributing exposure scenario	
Use descriptors covered	PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities Bulk transfer Dedicated facility Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Clear transfer lines prior to de-coupling	
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	187,71 mg/m³
Risk Characterization Ratio (RCR)	0,51
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	6,86 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,14
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC15: Use a laboratory reagent. Laboratory activities Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic

Exposure estimate	37,54 mg/m³
Risk Characterization Ratio (RCR)	0,1
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0,34 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,01
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

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2. Short title of exposure scenario

Use as an intermediate, (use in industrial settings)
IS; IS; ERC6a; PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC15

Control of exposure and risk management measures

Contributing exposure scenario		
Use descriptors covered	ERC6a: Use of intermediate	
Operational conditions		
Annual amount used in the EU	57.200.000 kg	
Daily amount per site	38.133 kg	
Minimum emission days per year Continuous	300	
Emission factor air	0,01 %	
Emission factor water	0,05 %	
Emission factor soil	0,01 %	
	Releases based on A&B-tables taken from TGD 2003	
	Wet formulation	
Dilution factor river	10	
Dilution factor coast	100	
Risk Management Measures		
	Prevent discharge of undissolved substance to or recover from wastewater	
Type of STP		Municipal STP
Total effic. of removal from wastewater after RMMs and STP(%)		87,3 %
Assumed sewage treatment plant flow (m3/d)		2.000 m3/d
Waste-Related Measures		
	Dispose of waste cans and containers according to local regulations	

Exposure estimate and reference to its source	
Risk Characterization Ratio (RCR)	0,0129
	Risk from environmental exposure is driven by marine water.
Maximum amount of safe use	2.851,573 t/d
Risk from environmental exposure is driven by marine water.	

Contributing exposure scenario	
Use descriptors covered	PROC1: Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions. Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	0,04 mg/m³
Risk Characterization Ratio (RCR)	0,0001
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0,34 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,01
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions General exposures Continuous process (closed systems) with sample collection Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity

Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	37,54 mg/m³
Risk Characterization Ratio (RCR)	0,1
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1,37 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,03
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions Bulk product storage (closed systems) Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	37,54 mg/m³
Risk Characterization Ratio (RCR)	0,1
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1,37 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,03
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions Process sampling (closed systems)

	Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	15 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	3,75 mg/m³
Risk Characterization Ratio (RCR)	0,01
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0,34 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,01
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition Use in contained batch processes Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	93,85 mg/m³
Risk Characterization Ratio (RCR)	0,25
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0,34 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,01
Guidance to Downstream Users	

http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3

Contributing exposure scenario	
Use descriptors covered	PROC4: Chemical production where opportunity for exposure arises General exposures (open systems) Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	75,08 mg/m³
Risk Characterization Ratio (RCR)	0,2
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	6,86 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,14
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Equipment maintenance Cleaning Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	187,71 mg/m³
Risk Characterization Ratio (RCR)	0,51
Assessment method	ESIG GES tool, Worker

	Worker - dermal, long-term - systemic
Exposure estimate	13,71 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,27
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities Bulk transfer Dedicated facility Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Clear transfer lines prior to de-coupling	
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	187,71 mg/m³
Risk Characterization Ratio (RCR)	0,51
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	6,86 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,14
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC15: Use a laboratory reagent. Laboratory activities Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.

Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	37,54 mg/m³
Risk Characterization Ratio (RCR)	0,1
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0,34 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,01
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

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3. Short title of exposure scenario

Formulation & (re)packing of substances and mixtures, (use in industrial settings)
IS; IS; ERC2; PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9, PROC14, PROC15

Control of exposure and risk management measures

Contributing exposure scenario		
Use descriptors covered	ERC2: Formulation into mixture	
Operational conditions		
Annual amount used in the EU	63.050.000 kg	
Daily amount per site	84.066 kg	
Minimum emission days per year Continuous	300	
Emission factor air	0,5 %	
Emission factor water	0,3 %	
Emission factor soil	0,01 %	
	Releases based on A&B-tables taken from TGD 2003	
Dilution factor river	10	
Dilution factor coast	100	
Risk Management Measures		
	Prevent discharge of undissolved substance to or recover from wastewater	
Type of STP		Municipal STP
Total effic. of removal from wastewater after RMMs and STP(%)		87,3 %
Assumed sewage treatment plant flow (m3/d)		2.000 m3/d

Waste-Related Measures	
	Dispose of waste cans and containers according to local regulations
Exposure estimate and reference to its source	
Risk Characterization Ratio (RCR)	0,1603
	Risk from environmental exposure is driven by marine water.
Maximum amount of safe use	524.614 kg/d
Risk from environmental exposure is driven by marine water.	

Contributing exposure scenario	
Use descriptors covered	PROC1: Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions. Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	0,04 mg/m³
Risk Characterization Ratio (RCR)	0,0001
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0,34 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,01
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions General exposures Continuous process (closed systems) with sample collection Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol

	Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	37,54 mg/m³
Risk Characterization Ratio (RCR)	0,1
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1,37 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,03
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions Bulk product storage (closed systems) Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	37,54 mg/m³
Risk Characterization Ratio (RCR)	0,1
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1,37 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,03
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC3: Manufacture or formulation in the chemical

	industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition General exposures Use in contained batch processes Process sampling Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	93,85 mg/m³
Risk Characterization Ratio (RCR)	0,25
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0,34 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,01
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition Batch processes at elevated temperatures (closed systems) Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Operation is carried out at elevated temperature (> 20°C above ambient temperature).
Risk Management Measures	
Provide extract ventilation to points where emissions occur (LEV).	Effectiveness: 90 %
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker

	Worker - inhalation, long-term - systemic
Exposure estimate	37,54 mg/m³
Risk Characterization Ratio (RCR)	0,1
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0,34 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,01
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition Process sampling (closed systems) Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	3,75 mg/m³
Risk Characterization Ratio (RCR)	0,01
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0,34 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,01
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC4: Chemical production where opportunity for exposure arises General exposures (open systems) Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week

	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	75,08 mg/m³
Risk Characterization Ratio (RCR)	0,2
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	6,86 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,14
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC5: Mixing or blending in batch processes Mixing operations (open systems) Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	187,71 mg/m³
Risk Characterization Ratio (RCR)	0,51
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	13,71 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,27
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Equipment maintenance Cleaning Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol

	Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	187,71 mg/m³
Risk Characterization Ratio (RCR)	0,51
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	13,71 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,27
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Transfer from/pouring from containers (manual) Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	187,71 mg/m³
Risk Characterization Ratio (RCR)	0,51
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	13,71 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,27
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities Bulk transfer Dedicated

	facility Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Clear transfer lines prior to de-coupling	
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	187,71 mg/m³
Risk Characterization Ratio (RCR)	0,51
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	6,86 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,14
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities Drum/Batch transfers Dedicated facility Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	187,71 mg/m³
Risk Characterization Ratio (RCR)	0,51
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic

Exposure estimate	6,86 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,14
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing). Drum and small package filling Dedicated facility Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	187,71 mg/m³
Risk Characterization Ratio (RCR)	0,51
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	6,86 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,14
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC14: Tabletting, compression, extrusion, pelletisation, granulation Production or preparation of articles by tabletting, compression, extrusion or pelletisation Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker

	Worker - inhalation, long-term - systemic
Exposure estimate	187,71 mg/m³
Risk Characterization Ratio (RCR)	0,51
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	3,43 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,07
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC15: Use a laboratory reagent. Laboratory activities Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	37,54 mg/m³
Risk Characterization Ratio (RCR)	0,1
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0,34 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,01
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

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4. Short title of exposure scenario

Use in Coatings, (use in industrial settings)
IS; IS; ERC4; PROC1, PROC2, PROC3, PROC4, PROC5, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC14, PROC15

Control of exposure and risk management measures

Contributing exposure scenario	
Use descriptors covered	ERC4: Use of non-reactive processing aid at industrial site (no inclusion into or onto article)

Operational conditions	
Annual amount used in the EU	63.050.000 kg
Daily amount per site	105.087 kg
Minimum emission days per year Continuous	300
Emission factor air	27 %
Emission factor water	2 %
Emission factor soil	0,1 %
	Releases based on A&B-tables taken from TGD 2003
Dilution factor river	10
Dilution factor coast	100
Risk Management Measures	
Treat air emissions to provide a typical removal efficiency of (%)	70 %
	Prevent discharge of undissolved substance to or recover from wastewater
Type of STP	Municipal STP
Total effic. of removal from wastewater after RMMs and STP(%)	87,3 %
Assumed sewage treatment plant flow (m3/d)	2.000 m3/d
Waste-Related Measures	
	Dispose of waste cans and containers according to local regulations
Exposure estimate and reference to its source	
Risk Characterization Ratio (RCR)	0,1338
	Risk from environmental exposure is driven by freshwater., Risk from environmental exposure is driven by marine water.
Maximum amount of safe use	79.180 kg/d
Risk from environmental exposure is driven by freshwater., Risk from environmental exposure is driven by marine water.	

Contributing exposure scenario	
Use descriptors covered	PROC1: Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions. Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %

Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	0,04 mg/m³
Risk Characterization Ratio (RCR)	0,0001
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0,34 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,01
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions General exposures Continuous process (closed systems) with sample collection Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	37,54 mg/m³
Risk Characterization Ratio (RCR)	0,1
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1,37 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,03
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or

	processes with equivalent containment conditions Film formation - force drying, stoving or UV/EB radiation curing. Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Operation is carried out at elevated temperature (> 20°C above ambient temperature).
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	187,71 mg/m³
Risk Characterization Ratio (RCR)	0,51
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1,37 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,03
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition Mixing operations General exposures (closed systems) Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	93,85 mg/m³
Risk Characterization Ratio (RCR)	0,25
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic

Exposure estimate	0,34 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,01
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC4: Chemical production where opportunity for exposure arises Film formation - air drying Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	75,08 mg/m³
Risk Characterization Ratio (RCR)	0,2
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	6,86 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,14
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC5: Mixing or blending in batch processes Preparation of material for application Mixing operations (open systems) Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic

Exposure estimate	187,71 mg/m³
Risk Characterization Ratio (RCR)	0,51
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	13,71 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,27
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC7: Industrial spraying Spraying (automatic/robotic) Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Carry out in a vented booth or extracted enclosure.	Effectiveness: 95 %
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	46,93 mg/m³
Risk Characterization Ratio (RCR)	0,13
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	2,14 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,04
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC7: Industrial spraying Spraying (manual) Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient

	temperature.
Risk Management Measures	
Provide a good standard of controlled ventilation (10 to 15 air changes per hour)	Effectiveness: 70 %
Wear suitable gloves tested to EN ISO 374-1.	Effectiveness: 80 %
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	281,56 mg/m³
Risk Characterization Ratio (RCR)	0,76
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	8,57 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,17
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Material transfers Non-dedicated facility Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	187,71 mg/m³
Risk Characterization Ratio (RCR)	0,51
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	13,71 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,27
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities Material transfers

	Dedicated facility Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	187,71 mg/m³
Risk Characterization Ratio (RCR)	0,51
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	6,86 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,14
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing). Material transfers Drum/Batch transfers Transfer from/pouring from containers Dedicated facility Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	187,71 mg/m³
Risk Characterization Ratio (RCR)	0,51
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	6,86 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,14

Guidance to Downstream Users
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3

Contributing exposure scenario	
Use descriptors covered	PROC10: Roller application or brushing Roller, spreader, flow application Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Wear suitable gloves tested to EN ISO 374-1.	Effectiveness: 80 %
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	187,71 mg/m³
Risk Characterization Ratio (RCR)	0,51
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	5,49 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,11
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC13: Treatment of articles by dipping and pouring. Dipping, immersion and pouring Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic

Exposure estimate	187,71 mg/m³
Risk Characterization Ratio (RCR)	0,51
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	13,71 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,27
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC14: Tabletting, compression, extrusion, pelletisation, granulation Production or preparation of articles by tabletting, compression, extrusion or pelletisation Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	187,71 mg/m³
Risk Characterization Ratio (RCR)	0,51
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	3,43 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,07
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC15: Use a laboratory reagent. Laboratory activities Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.

Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	37,54 mg/m³
Risk Characterization Ratio (RCR)	0,1
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0,34 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,01
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

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5. Short title of exposure scenario

Use in Coatings, (use in industrial settings)
IS; IS; ERC4; PROC1, PROC2, PROC3, PROC4, PROC5, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC14, PROC15

Control of exposure and risk management measures

Contributing exposure scenario		
Use descriptors covered	ERC4: Use of non-reactive processing aid at industrial site (no inclusion into or onto article)	
Operational conditions		
Annual amount used in the EU	2.600.000 kg	
Daily amount per site	430 kg	
Minimum emission days per year Continuous	300	
Emission factor air	80 %	
Emission factor water	10 %	
Emission factor soil	0,1 %	
	Releases based on A&B-tables taken from TGD 2003	
Dilution factor river	10	
Dilution factor coast	100	
Risk Management Measures		
	Prevent discharge of undissolved substance to or recover from wastewater	
Type of STP		Municipal STP
Total effic. of removal from wastewater after RMMs and STP(%)		87,3 %

Assumed sewage treatment plant flow (m3/d)	2.000 m3/d
Waste-Related Measures	
	Dispose of waste cans and containers according to local regulations
Exposure estimate and reference to its source	
Risk Characterization Ratio (RCR)	0,029
	Risk from environmental exposure is driven by freshwater., Risk from environmental exposure is driven by marine water.
Maximum amount of safe use	140.104 kg/d
Risk from environmental exposure is driven by freshwater., Risk from environmental exposure is driven by marine water.	

Contributing exposure scenario	
Use descriptors covered	PROC1: Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions. (closed systems) General exposures Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
PROC1	
Assessment method	ESIG GES tool, Worker
	Worker - all relevant routes
	In case the identified operational conditions and risk management measures are applied:, The use is assessed to be safe.
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions General exposures (closed systems) with sample collection Use domain: industrial
Operational conditions	

Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	7,51 mg/m³
Risk Characterization Ratio (RCR)	0,02
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1,37 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,03
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions Film formation - force drying, stoving or UV/EB radiation curing. Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Operation is carried out at elevated temperature (> 20°C above ambient temperature).
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	37,54 mg/m³
Risk Characterization Ratio (RCR)	0,1
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1,37 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,03
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario

Use descriptors covered	PROC3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition Mixing operations General exposures (closed systems) Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	18,77 mg/m³
Risk Characterization Ratio (RCR)	0,05
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0,34 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,01
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC4: Chemical production where opportunity for exposure arises Film formation - air drying Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	15,02 mg/m³
Risk Characterization Ratio (RCR)	0,04
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic

Exposure estimate	6,86 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,14
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC5: Mixing or blending in batch processes Preparation of material for application Mixing operations (open systems) Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	37,54 mg/m³
Risk Characterization Ratio (RCR)	0,1
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	13,71 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,27
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC7: Industrial spraying Spraying (automatic/robotic) Spraying (manual) Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Wear suitable gloves tested to EN ISO 374-1.	Effectiveness: 80 %

Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	187,71 mg/m³
Risk Characterization Ratio (RCR)	0,51
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	8,57 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,17
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC7: Industrial spraying Spraying (manual) Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Wear suitable gloves tested to EN ISO 374-1.	
Exposure estimate and reference to its source	
PROC7	
Assessment method	ESIG GES tool, Worker
	Worker - all relevant routes
	In case the identified operational conditions and risk management measures are applied:, The use is assessed to be safe.
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Material transfers Non-dedicated facility Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity

Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	37,54 mg/m³
Risk Characterization Ratio (RCR)	0,1
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	13,71 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,27
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities Material transfers Dedicated facility Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	37,54 mg/m³
Risk Characterization Ratio (RCR)	0,1
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	6,86 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,14
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing). Material transfers Drum/Batch transfers Transfer from/pouring from containers Dedicated facility Use domain: industrial

Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	37,54 mg/m³
Risk Characterization Ratio (RCR)	0,1
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	6,86 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,14
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC10: Roller application or brushing Roller, spreader, flow application Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	37,54 mg/m³
Risk Characterization Ratio (RCR)	0,1
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	27,43 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,54
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario

Use descriptors covered	PROC13: Treatment of articles by dipping and pouring. Dipping, immersion and pouring Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	37,54 mg/m³
Risk Characterization Ratio (RCR)	0,1
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	13,71 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,27
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC14: Tabletting, compression, extrusion, pelletisation, granulation Production or preparation of articles by tabletting, compression, extrusion or pelletisation Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	37,54 mg/m³
Risk Characterization Ratio (RCR)	0,1
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	3,43 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,07

Guidance to Downstream Users
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3

Contributing exposure scenario	
Use descriptors covered	PROC15: Use a laboratory reagent. Laboratory activities Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	7,51 mg/m³
Risk Characterization Ratio (RCR)	0,02
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0,34 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,01
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

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6. Short title of exposure scenario

Use in Cleaning Agents, (use in industrial settings)
IS; IS; ERC4; PROC2, PROC3, PROC4, PROC7, PROC8a, PROC8b, PROC10, PROC13

Control of exposure and risk management measures

Contributing exposure scenario	
Use descriptors covered	ERC4: Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
Operational conditions	
Annual amount used in the EU	5.200.000 kg
Daily amount per site	5.000 kg
Minimum emission days per year Continuous	20
Emission factor air	30 %

Emission factor water	0,01 %
Emission factor soil	0 %
	Releases based on ESVOC/CEFIC information
Dilution factor river	10
Dilution factor coast	100

Risk Management Measures	
Type of STP	Municipal STP
Total effic. of removal from wastewater after RMMs and STP(%)	87,3 %
Assumed sewage treatment plant flow (m3/d)	2.000 m3/d

Waste-Related Measures	
	Dispose of waste cans and containers according to local regulations

Exposure estimate and reference to its source	
Risk Characterization Ratio (RCR)	0,0017
	Risk from environmental exposure is driven by marine water.
Maximum amount of safe use	3.105,264 kg/d
Risk from environmental exposure is driven by marine water.	

Contributing exposure scenario	
Use descriptors covered	PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions Automated process with (semi) closed systems. Use in contained systems Application of cleaning products in closed systems Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	37,54 mg/m³
Risk Characterization Ratio (RCR)	0,1

Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1,37 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,03
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions Application of cleaning products in closed systems Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
PROC2	
Assessment method	ESIG GES tool, Worker
	Worker - all relevant routes
	The use is assessed to be safe.
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition Automated process with (semi) closed systems. Use in contained systems Drum/Batch transfers Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.

Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	93,85 mg/m³
Risk Characterization Ratio (RCR)	0,25
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0,34 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,01
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC4: Chemical production where opportunity for exposure arises Use in contained batch processes Treatment by heating Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Operation is carried out at elevated temperature (> 20°C above ambient temperature).
Risk Management Measures	
Provide extract ventilation to points where emissions occur (LEV).	Effectiveness: 90 %
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	37,54 mg/m³
Risk Characterization Ratio (RCR)	0,1
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	6,86 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,14
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC7: Industrial spraying Cleaning with high pressure washers Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol

	Content: >= 0 % - <= 25 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Provide a good standard of controlled ventilation (10 to 15 air changes per hour)	Effectiveness: 70 %
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	168,94 mg/m³
Risk Characterization Ratio (RCR)	0,46
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	8,57 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,17
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Bulk transfer Non-dedicated facility Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	187,71 mg/m³
Risk Characterization Ratio (RCR)	0,51
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	13,71 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,27
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities Filling / preparation of equipment from drums or containers. Dedicated facility Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	187,71 mg/m³
Risk Characterization Ratio (RCR)	0,51
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	6,86 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,14
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC10: Roller application or brushing Cleaning with low-pressure washers Surfaces no spraying (manual) Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Wear suitable gloves tested to EN ISO 374-1.	Effectiveness: 80 %
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	187,71 mg/m³

Risk Characterization Ratio (RCR)	0,51
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	5,49 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,11
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC10: Roller application or brushing Cleaning Surfaces no spraying (manual) Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Wear suitable gloves tested to EN ISO 374-1.	
Exposure estimate and reference to its source	
PROC10	
Assessment method	ESIG GES tool, Worker
	Worker - all relevant routes
	In case the identified operational conditions and risk management measures are applied:, The use is assessed to be safe.
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC13: Treatment of articles by dipping and pouring. Degreasing small objects in cleaning station Use domain: industrial
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.

Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	187,71 mg/m³
Risk Characterization Ratio (RCR)	0,51
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	13,71 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,27
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

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7. Short title of exposure scenario

Use in Coatings, (use in professional settings)
PW; PW; ERC8a, ERC8d; PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC10, PROC11, PROC13, PROC15, PROC19

Control of exposure and risk management measures

Contributing exposure scenario		
Use descriptors covered	ERC8a: Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)	
Operational conditions		
Annual amount used in the EU	2.600.000 kg	
Daily amount per site	433 kg	
Minimum emission days per year Continuous	300	
Emission factor air	80 %	
Emission factor water	10 %	
Emission factor soil	0,1 %	
	Releases based on A&B-tables taken from TGD 2003	
Dilution factor river	10	
Dilution factor coast	100	
Risk Management Measures		
	Prevent discharge of undissolved substance to or recover from wastewater	
Type of STP		Municipal STP
Total effic. of removal from wastewater after RMMs and STP(%)		87,3 %

Assumed sewage treatment plant flow (m3/d)	2.000 m3/d
Waste-Related Measures	
	Dispose of waste cans and containers according to local regulations
Exposure estimate and reference to its source	
Risk Characterization Ratio (RCR)	0,029
	Risk from environmental exposure is driven by freshwater., Risk from environmental exposure is driven by marine water.
Maximum amount of safe use	15.141 kg/d
Risk from environmental exposure is driven by freshwater., Risk from environmental exposure is driven by marine water.	

Contributing exposure scenario	
Use descriptors covered	ERC8d: Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)
Operational conditions	
Annual amount used in the EU	2.600.000 kg
Daily amount per site	433 kg
Minimum emission days per year Continuous	300
Emission factor air	80 %
Emission factor water	10 %
Emission factor soil	0,1 %
	Releases based on A&B-tables taken from TGD 2003
Dilution factor river	10
Dilution factor coast	100
Risk Management Measures	
	Prevent discharge of undissolved substance to or recover from wastewater
Type of STP	Municipal STP
Total effic. of removal from wastewater after RMMs and STP(%)	87,3 %
Assumed sewage treatment plant flow (m3/d)	2.000 m3/d
Waste-Related Measures	
	Dispose of waste cans and containers according to local regulations
Exposure estimate and reference to its source	
Risk Characterization Ratio (RCR)	0,029
	Risk from environmental exposure is driven by freshwater.,

	Risk from environmental exposure is driven by marine water.
Maximum amount of safe use	15.141 kg/d
Risk from environmental exposure is driven by freshwater., Risk from environmental exposure is driven by marine water.	

Contributing exposure scenario	
Use descriptors covered	PROC1: Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions. Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	0,04 mg/m³
Risk Characterization Ratio (RCR)	0,0001
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0,34 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,01
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions Filling / preparation of equipment from drums or containers. Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week

	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
PROC2	
Assessment method	ESIG GES tool, Worker
	Worker - all relevant routes
	The use is assessed to be safe.
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions General exposures Use in contained systems (closed systems) Filling / preparation of equipment from drums or containers. Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	75,08 mg/m³
Risk Characterization Ratio (RCR)	0,2
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1,37 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,03
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition Preparation of material for application Use domain: professional
Operational conditions	

Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	93,85 mg/m³
Risk Characterization Ratio (RCR)	0,25
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0,34 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,01
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC4: Chemical production where opportunity for exposure arises Film formation - air drying Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	187,71 mg/m³
Risk Characterization Ratio (RCR)	0,51
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	6,86 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,14
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC4: Chemical production where opportunity for exposure arises Film formation - air drying

	Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
PROC4	
Assessment method	ESIG GES tool, Worker
	Worker - all relevant routes
	The use is assessed to be safe.
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC5: Mixing or blending in batch processes Preparation of material for application Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Provide a good standard of general ventilation (not less than 3 - 5 air changes per hour)	Effectiveness: 30 %
Alternatively:, Ensure operation is undertaken outdoors.	
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	262,79 mg/m³
Risk Characterization Ratio (RCR)	0,71
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	13,71 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,27

Guidance to Downstream Users
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3

Contributing exposure scenario	
Use descriptors covered	PROC5: Mixing or blending in batch processes Preparation of material for application Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Ensure operation is undertaken outdoors.	
Exposure estimate and reference to its source	
PROC5	
Assessment method	ESIG GES tool, Worker
	Worker - all relevant routes
	In case the identified operational conditions and risk management measures are applied:, The use is assessed to be safe.
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Material transfers Drum/Batch transfers Non-dedicated facility Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Provide a good standard of general ventilation (not less than 3 - 5 air changes per hour)	Effectiveness: 30 %

Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	262,79 mg/m³
Risk Characterization Ratio (RCR)	0,71
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	13,71 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,27
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities Material transfers Drum/Batch transfers Dedicated facility Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	187,71 mg/m³
Risk Characterization Ratio (RCR)	0,51
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	6,86 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,14
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC10: Roller application or brushing Roller, spreader, flow application Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity

Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Provide a good standard of general ventilation (not less than 3 - 5 air changes per hour)	Effectiveness: 30 %
Wear suitable gloves tested to EN ISO 374-1.	Effectiveness: 80 %
In case no general ventilation is used:, Ensure operation is undertaken outdoors.	
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	262,79 mg/m³
Risk Characterization Ratio (RCR)	0,71
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	5,49 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,11
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC10: Roller application or brushing Roller, spreader, flow application Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Ensure operation is undertaken outdoors.	
Wear suitable gloves tested to EN ISO 374-1.	
Exposure estimate and reference to its source	
PROC10	
Assessment method	ESIG GES tool, Worker
	Worker - all relevant routes
	In case the identified operational conditions and risk

	management measures are applied:, The use is assessed to be safe.
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC11: Non industrial spraying Spraying (manual) Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Carry out in a vented booth or extracted enclosure.	Effectiveness: 80 %
Wear a respirator conforming to EN140 with Type A filter or better	Effectiveness: 90 %
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	37,54 mg/m³
Risk Characterization Ratio (RCR)	0,1
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	2,14 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,04
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC11: Non industrial spraying Spraying (manual) Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.

Risk Management Measures	
Ensure operation is undertaken outdoors.	Effectiveness: 30 %
Wear a respirator conforming to EN140 with Type A filter or better	Effectiveness: 90 %
Wear suitable gloves tested to EN ISO 374-1.	Effectiveness: 80 %
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	131,4 mg/m³
Risk Characterization Ratio (RCR)	0,36
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	21,43 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,42
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC13: Treatment of articles by dipping and pouring. Dipping, immersion and pouring Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Provide a good standard of general ventilation (not less than 3 - 5 air changes per hour)	Effectiveness: 30 %
Alternatively:, Ensure operation is undertaken outdoors.	
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	262,79 mg/m³
Risk Characterization Ratio (RCR)	0,71
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	13,71 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,27
Guidance to Downstream Users	

http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3

Contributing exposure scenario	
Use descriptors covered	PROC13: Treatment of articles by dipping and pouring. Dipping, immersion and pouring Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Ensure operation is undertaken outdoors.	
Exposure estimate and reference to its source	
PROC13	
Assessment method	ESIG GES tool, Worker
	Worker - all relevant routes
	In case the identified operational conditions and risk management measures are applied:, The use is assessed to be safe.
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC15: Use a laboratory reagent. Laboratory activities Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	37,54 mg/m³
Risk Characterization Ratio (RCR)	0,1
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic

Exposure estimate	0,34 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,01
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC19: Manual activities involving hand contact Hand application - fingerpaints, pastels, adhesives Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Provide a good standard of general ventilation (not less than 3 - 5 air changes per hour)	Effectiveness: 30 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
In case no general ventilation is used:, Ensure operation is undertaken outdoors.	
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	262,79 mg/m³
Risk Characterization Ratio (RCR)	0,71
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	14,14 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,28
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC19: Manual activities involving hand contact Hand application - fingerpaints, pastels, adhesives Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %

Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Ensure operation is undertaken outdoors.	
Wear chemically resistant gloves in combination with 'basic' employee training.	
Exposure estimate and reference to its source	
PROC19	
Assessment method	ESIG GES tool, Worker
	Worker - all relevant routes
	In case the identified operational conditions and risk management measures are applied:, The use is assessed to be safe.
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

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8. Short title of exposure scenario

Use in Coatings, (use in professional settings)
PW; PW; ERC8a, ERC8b; PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC10, PROC11, PROC13, PROC15, PROC19

Control of exposure and risk management measures

Contributing exposure scenario	
Use descriptors covered	ERC8a: Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
Operational conditions	
Annual amount used in the EU	2.600.000 kg
Daily amount per site	433 kg
Minimum emission days per year Continuous	300
Emission factor air	80 %
Emission factor water	10 %
Emission factor soil	0,1 %

	Releases based on A&B-tables taken from TGD 2003	
Dilution factor river	10	
Dilution factor coast	100	
Risk Management Measures		
	Prevent discharge of undissolved substance to or recover from wastewater	
Type of STP		Municipal STP
Total effic. of removal from wastewater after RMMs and STP(%)		87,3 %
Assumed sewage treatment plant flow (m3/d)		2.000 m3/d
Waste-Related Measures		
	Dispose of waste cans and containers according to local regulations	
Exposure estimate and reference to its source		
Risk Characterization Ratio (RCR)	0,029	
	Risk from environmental exposure is driven by freshwater., Risk from environmental exposure is driven by marine water.	
Maximum amount of safe use	15.141 kg/d	
Risk from environmental exposure is driven by freshwater., Risk from environmental exposure is driven by marine water.		

Contributing exposure scenario	
Use descriptors covered	ERC8d: Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)
Operational conditions	
Annual amount used in the EU	2.600.000 kg
Daily amount per site	433 kg
Minimum emission days per year Continuous	300
Emission factor air	80 %
Emission factor water	10 %
Emission factor soil	0,1 %
	Releases based on A&B-tables taken from TGD 2003
Dilution factor river	10
Dilution factor coast	100
Risk Management Measures	
	Prevent discharge of undissolved substance to or recover

	from wastewater	
Type of STP		Municipal STP
Total effic. of removal from wastewater after RMMs and STP(%)		87,3 %
Assumed sewage treatment plant flow (m3/d)		2.000 m3/d
Waste-Related Measures		
	Dispose of waste cans and containers according to local regulations	
Exposure estimate and reference to its source		
Risk Characterization Ratio (RCR)	0,029	
	Risk from environmental exposure is driven by freshwater., Risk from environmental exposure is driven by marine water.	
Maximum amount of safe use	15.141 kg/d	
Risk from environmental exposure is driven by freshwater., Risk from environmental exposure is driven by marine water.		

Contributing exposure scenario	
Use descriptors covered	PROC1: Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions. General exposures (closed systems) Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
PROC1	
Assessment method	ESIG GES tool, Worker
	Worker - all relevant routes
	In case the identified operational conditions and risk management measures are applied:, The use is assessed to be safe.
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions Filling / preparation of equipment from drums or containers.

	Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
PROC2	
Assessment method	ESIG GES tool, Worker
	Worker - all relevant routes
	In case the identified operational conditions and risk management measures are applied:, The use is assessed to be safe.
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions General exposures Use in contained systems (closed systems) Filling / preparation of equipment from drums or containers. Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	15,02 mg/m³
Risk Characterization Ratio (RCR)	0,04
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1,37 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,03
Guidance to Downstream Users	

http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3

Contributing exposure scenario	
Use descriptors covered	PROC3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition Preparation of material for application Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	18,77 mg/m³
Risk Characterization Ratio (RCR)	0,05
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0,34 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,01
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC4: Chemical production where opportunity for exposure arises Film formation - air drying Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	37,54 mg/m³

Risk Characterization Ratio (RCR)	0,1
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	6,86 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,14
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC4: Chemical production where opportunity for exposure arises Film formation - air drying Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
PROC4	
Assessment method	ESIG GES tool, Worker
	Worker - all relevant routes
	In case the identified operational conditions and risk management measures are applied:, The use is assessed to be safe.
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC5: Mixing or blending in batch processes Preparation of material for application Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker

	Worker - inhalation, long-term - systemic
Exposure estimate	75,08 mg/m³
Risk Characterization Ratio (RCR)	0,2
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	13,71 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,27
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC5: Mixing or blending in batch processes Preparation of material for application Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Ensure operation is undertaken outdoors.	
Exposure estimate and reference to its source	
PROC5	
Assessment method	ESIG GES tool, Worker
	Worker - all relevant routes
	In case the identified operational conditions and risk management measures are applied:, The use is assessed to be safe.
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Material transfers Drum/Batch transfers Non-dedicated facility Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week

	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	75,08 mg/m³
Risk Characterization Ratio (RCR)	0,2
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	13,71 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,27
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities Material transfers Drum/Batch transfers Dedicated facility Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	37,54 mg/m³
Risk Characterization Ratio (RCR)	0,1
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	6,86 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,14
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC10: Roller application or brushing Roller, spreader, flow application Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol

	Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	75,08 mg/m³
Risk Characterization Ratio (RCR)	0,2
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	27,43 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,54
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC10: Roller application or brushing Roller, spreader, flow application Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Outdoor
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
PROC10	
Assessment method	ESIG GES tool, Worker
	Worker - all relevant routes
	In case the identified operational conditions and risk management measures are applied:, The use is assessed to be safe.
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC11: Non industrial spraying Spraying (manual) Use domain: professional
Operational conditions	

Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Provide a good standard of general ventilation (not less than 3 - 5 air changes per hour)	Effectiveness: 30 %
Wear chemically resistant gloves in combination with 'basic' employee training.	Effectiveness: 90 %
In case no general ventilation is used:, Ensure operation is undertaken outdoors.	
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	262,79 mg/m³
Risk Characterization Ratio (RCR)	0,71
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	10,71 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,21
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC11: Non industrial spraying Spraying (manual) Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Ensure operation is undertaken outdoors.	
Wear chemically resistant gloves in combination with 'basic' employee training.	

Exposure estimate and reference to its source	
PROC11	
Assessment method	ESIG GES tool, Worker
	Worker - all relevant routes
	In case the identified operational conditions and risk management measures are applied:, The use is assessed to be safe.
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC13: Treatment of articles by dipping and pouring. Dipping, immersion and pouring Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	75,08 mg/m³
Risk Characterization Ratio (RCR)	0,2
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	13,71 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,27
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC13: Treatment of articles by dipping and pouring. Dipping, immersion and pouring Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor

	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
PROC13	
Assessment method	ESIG GES tool, Worker
	Worker - all relevant routes
	In case the identified operational conditions and risk management measures are applied:, The use is assessed to be safe.
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC15: Use a laboratory reagent. Laboratory activities Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	7,51 mg/m³
Risk Characterization Ratio (RCR)	0,02
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0,34 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,01
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC19: Manual activities involving hand contact Hand application - fingerpaints, pastels, adhesives Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week

	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Wear suitable gloves tested to EN ISO 374-1.	Effectiveness: 80 %
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	75,08 mg/m³
Risk Characterization Ratio (RCR)	0,2
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	28,29 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,56
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC19: Manual activities involving hand contact Hand application - fingerpaints, pastels, adhesives Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Outdoor
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Wear suitable gloves tested to EN ISO 374-1.	
Exposure estimate and reference to its source	
PROC19	
Assessment method	ESIG GES tool, Worker
	Worker - all relevant routes
	In case the identified operational conditions and risk management measures are applied:, The use is assessed to be safe.
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

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9. Short title of exposure scenario

Use in Cleaning Agents, (use in professional settings)
PW; PW; ERC8a, ERC8d; PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC10, PROC11, PROC13

Control of exposure and risk management measures

Contributing exposure scenario	
Use descriptors covered	ERC8a: Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
Operational conditions	
Annual amount used in the EU	5.200.000 kg
Daily amount per site	0,71 kg
Minimum emission days per year Continuous	365
Emission factor air	2 %
Emission factor water	0,001 %
Emission factor soil	0 %
	Releases based on ESVOC/CEFIC information
Dilution factor river	10
Dilution factor coast	100
Risk Management Measures	
Treat air emissions to provide a typical removal efficiency of (%)	70 %
Type of STP	Municipal STP
Total effic. of removal from wastewater after RMMs and STP(%)	87,3 %
Assumed sewage treatment plant flow (m3/d)	2.000 m3/d
Waste-Related Measures	
	Dispose of waste cans and containers according to local regulations
Exposure estimate and reference to its source	
Risk Characterization Ratio (RCR)	0,00138
	Risk from environmental exposure is driven by marine water.
Maximum amount of safe use	550 kg/d
Risk from environmental exposure is driven by marine water.	

Contributing exposure scenario	
Use descriptors covered	ERC8d: Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)
Operational conditions	

Annual amount used in the EU	5.200.000 kg
Daily amount per site	0,71 kg
Minimum emission days per year Continuous	365
Emission factor air	2 %
Emission factor water	0,001 %
Emission factor soil	0 %
	Releases based on ESVOC/CEFIC information
Dilution factor river	10
Dilution factor coast	100
Other Factors: Environment	Outdoor use.

Risk Management Measures	
Treat air emissions to provide a typical removal efficiency of (%)	70 %
Type of STP	Municipal STP
Total effic. of removal from wastewater after RMMs and STP(%)	87,3 %
Assumed sewage treatment plant flow (m3/d)	2.000 m3/d

Waste-Related Measures	
	Dispose of waste cans and containers according to local regulations
Exposure estimate and reference to its source	
Risk Characterization Ratio (RCR)	0,00138
	Risk from environmental exposure is driven by marine water.
Maximum amount of safe use	550 kg/d
Risk from environmental exposure is driven by marine water.	

Contributing exposure scenario	
Use descriptors covered	PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions Automated process with (semi) closed systems. Use in contained systems Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week

	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	75,08 mg/m³
Risk Characterization Ratio (RCR)	0,2
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1,37 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,03
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition Use in contained systems Drum/Batch transfers Automated process with (semi) closed systems. Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	93,85 mg/m³
Risk Characterization Ratio (RCR)	0,25
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0,34 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,01
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC4: Chemical production where opportunity for exposure arises Semi Automated process Application of cleaning products in closed systems Cleaning of medical

	devices Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	187,71 mg/m³
Risk Characterization Ratio (RCR)	0,51
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	6,86 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,14
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC4: Chemical production where opportunity for exposure arises Application of cleaning products in closed systems Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
PROC4	
Assessment method	ESIG GES tool, Worker
	Worker - all relevant routes
	The use is assessed to be safe.
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC4: Chemical production where opportunity for

	exposure arises Cleaning of medical devices Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
PROC4	
Assessment method	ESIG GES tool, Worker
	Worker - all relevant routes
	The use is assessed to be safe.
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Filling / preparation of equipment from drums or containers. Non-dedicated facility Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	240 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Ensure operation is undertaken outdoors.	Effectiveness: 30 %
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	157,68 mg/m³
Risk Characterization Ratio (RCR)	0,43
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	13,71 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,27
Guidance to Downstream Users	

http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3

Contributing exposure scenario	
Use descriptors covered	PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities Filling / preparation of equipment from drums or containers. Dedicated facility Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	187,71 mg/m³
Risk Characterization Ratio (RCR)	0,51
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	6,86 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,14
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC10: Roller application or brushing Cleaning with low-pressure washers Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Provide a good standard of controlled ventilation (10 to 15 air changes per hour)	Effectiveness: 70 %
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker

	Worker - inhalation, long-term - systemic
Exposure estimate	112,63 mg/m³
Risk Characterization Ratio (RCR)	0,31
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	27,43 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,54
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC10: Roller application or brushing Cleaning Surfaces (manual) Spraying Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Provide a good standard of controlled ventilation (10 to 15 air changes per hour)	Effectiveness: 30 %
Wear suitable gloves tested to EN ISO 374-1.	Effectiveness: 80 %
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	262,79 mg/m³
Risk Characterization Ratio (RCR)	0,71
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	5,49 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,11
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC10: Roller application or brushing Ad hoc manual application via trigger sprays, dipping, etc. Rolling/ Brushing Use domain: professional
Operational conditions	

Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Provide extract ventilation to points where emissions occur (LEV).	Effectiveness: 80 %
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	75,08 mg/m³
Risk Characterization Ratio (RCR)	0,2
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	27,43 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,54
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC11: Non industrial spraying Cleaning with high pressure washers Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Provide a good standard of controlled ventilation (10 to 15 air changes per hour)	Effectiveness: 70 %
Wear suitable gloves tested to EN ISO 374-1.	Effectiveness: 80 %
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	112,63 mg/m³
Risk Characterization Ratio (RCR)	0,31

Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	21,43 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,42
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC11: Non industrial spraying Cleaning with high pressure washers Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Ensure operation is undertaken outdoors.	Effectiveness: 30 %
Wear chemically resistant gloves in combination with ‘basic’ employee training.	Effectiveness: 90 %
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	262,79 mg/m³
Risk Characterization Ratio (RCR)	0,71
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	10,71 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,21
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC13: Treatment of articles by dipping and pouring. Cleaning Surfaces (manual) Dipping, immersion and pouring Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 100 %

Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Provide a good standard of controlled ventilation (10 to 15 air changes per hour)	Effectiveness: 70 %
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	112,63 mg/m³
Risk Characterization Ratio (RCR)	0,31
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	13,71 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,27
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

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10. Short title of exposure scenario

Use in Agrochemicals, (use in professional settings)
PW; PW; ERC8d; PROC2, PROC4, PROC8a, PROC8b, PROC11, PROC13

Control of exposure and risk management measures

Contributing exposure scenario	
Use descriptors covered	ERC8d: Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)
Operational conditions	
Annual amount used in the EU	650.000 kg
Minimum emission days per year intermittent	2
Emission factor air	0,05 %
Emission factor water	10 %
Emission factor soil	85 %
	Releases based on A&B-tables taken from TGD 2003
Dilution factor river	10
Dilution factor coast	100

Waste-Related Measures	
	Dispose of waste cans and containers according to local regulations
Exposure estimate and reference to its source	
Risk Characterization Ratio (RCR)	0,0176
	Risk from environmental exposure is driven by marine water.

Contributing exposure scenario	
Use descriptors covered	PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions Storage Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 25 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Outdoor
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	45,05 mg/m³
Risk Characterization Ratio (RCR)	0,12
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1,37 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,03
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC4: Chemical production where opportunity for exposure arises Mixing operations (open systems) Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 25 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week

Indoor/Outdoor	Outdoor
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	112,63 mg/m³
Risk Characterization Ratio (RCR)	0,31
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	6,86 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,14
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Equipment maintenance Cleaning Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 25 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	225,25 mg/m³
Risk Characterization Ratio (RCR)	0,61
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	13,71 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,27
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Disposal of wastes (Disposal/transfer) Use domain: professional
Operational conditions	

Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 25 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Outdoor
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	225,25 mg/m³
Risk Characterization Ratio (RCR)	0,61
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	13,71 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,27
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities Transfer from/pouring from containers Dedicated facility Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 25 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	112,63 mg/m³
Risk Characterization Ratio (RCR)	0,31
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	6,86 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,14
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario

Use descriptors covered	PROC11: Non industrial spraying Spraying/fogging by manual application Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 25 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Outdoor
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Wear a respirator conforming to EN140 with Type A filter or better	Effectiveness: 90 %
Wear suitable gloves tested to EN ISO 374-1.	Effectiveness: 80 %
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	112,63 mg/m³
Risk Characterization Ratio (RCR)	0,31
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	21,43 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,42
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC11: Non industrial spraying Spraying/fogging by machine application Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 25 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Risk Management Measures	
Carry out in a vented booth or extracted enclosure.	Effectiveness: 80 %
Exposure estimate and reference to its source	

Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	225,25 mg/m³
Risk Characterization Ratio (RCR)	0,61
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	2,14 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,04
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

Contributing exposure scenario	
Use descriptors covered	PROC13: Treatment of articles by dipping and pouring. Ad hoc manual application via trigger sprays, dipping, etc. Use domain: professional
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 25 %
Physical state	Liquid, moderate fugacity
Duration and Frequency of activity	480 min 5 days per week
	Assumes use at not more than 20°C above ambient temperature.
Exposure estimate and reference to its source	
Assessment method	ESIG GES tool, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	225,25 mg/m³
Risk Characterization Ratio (RCR)	0,61
Assessment method	ESIG GES tool, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	13,71 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,27
Guidance to Downstream Users	
http://www.esig.org/en/regulatory-information/reach/ges-library/ges-library-3	

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11. Short title of exposure scenario

Use in Coatings, (consumer use)
C; C; ERC8a, ERC8d; PC9

Control of exposure and risk management measures

Contributing exposure scenario	
Use descriptors covered	ERC8a: Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)

Operational conditions	
Annual amount used in the EU	2.600.000 kg
Minimum emission days per year Continuous	300
Emission factor air	80 %
Emission factor water	15 %
Emission factor soil	1 %
	Releases based on A&B-tables taken from TGD 2003
Dilution factor river	10
Dilution factor coast	100
Risk Management Measures	
Total effic. of removal from wastewater after RMMs and STP(%)	87 %
Waste-Related Measures	
	Dispose of waste cans and containers according to local regulations
Exposure estimate and reference to its source	
Risk Characterization Ratio (RCR)	0,00139
	Risk from environmental exposure is driven by marine water.

Contributing exposure scenario	
Use descriptors covered	ERC8d: Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)
Operational conditions	
Annual amount used in the EU	2.600.000 kg
Minimum emission days per year Continuous	300
Emission factor air	80 %
Emission factor water	15 %
Emission factor soil	1 %
	Releases based on A&B-tables taken from TGD 2003
Dilution factor river	10
Dilution factor coast	100
Risk Management Measures	
Total effic. of removal from wastewater after RMMs and STP(%)	87,3 %

Waste-Related Measures	
	Dispose of waste cans and containers according to local regulations
Exposure estimate and reference to its source	
Risk Characterization Ratio (RCR)	0,00139
	Risk from environmental exposure is driven by marine water.

Contributing exposure scenario	
Use descriptors covered	PC9a: Coatings and paints, thinners, paint removers, General coatings, Waterborne paint
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 5 %
Physical state	Liquid, high fugacity
Duration and Frequency of activity	Application duration: 180 min 1 uses per day
Indoor/Outdoor	Indoor
Room size	20 m3
	Assumes activities are at ambient temperature., Use in rooms with open windows.
	Amount per use 1,88 kg
Exposure estimate and reference to its source	
Assessment method	ConsExpo v4.1
	Consumer - inhalation, long-term - systemic
Exposure estimate	5,73 mg/m³
Risk Characterization Ratio (RCR)	0,39
Assessment method	ConsExpo v4.1
	Consumer - dermal, long-term - systemic
Exposure estimate	4,5 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,25
Guidance to Downstream Users	
For scaling see: http://www.rivm.nl/en/healthanddisease/productsafety/ConsExpo.jsp	

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12. Short title of exposure scenario

Use in Coatings, (consumer use)
C; C; ERC8a, ERC8d; PC9

Control of exposure and risk management measures

Contributing exposure scenario	
Use descriptors covered	ERC8a: Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)

Operational conditions	
Annual amount used in the EU	63.050.000 kg
Minimum emission days per year Continuous	300
Emission factor air	80 %
Emission factor water	15 %
Emission factor soil	1 %
	Releases based on A&B-tables taken from TGD 2003
Dilution factor river	10
Dilution factor coast	100
Risk Management Measures	
	Prevent discharge of undissolved substance to or recover from wastewater
Total effic. of removal from wastewater after RMMs and STP(%)	87 %
Waste-Related Measures	
	Dispose of waste cans and containers according to local regulations
Exposure estimate and reference to its source	
Risk Characterization Ratio (RCR)	0,001433
	Risk from environmental exposure is driven by marine water.

Contributing exposure scenario	
Use descriptors covered	ERC8d: Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)
Operational conditions	
Annual amount used in the EU	63.050.000 kg
Minimum emission days per year Continuous	300
Emission factor air	80 %
Emission factor water	15 %
Emission factor soil	1 %
	Releases based on A&B-tables taken from TGD 2003
Dilution factor river	10
Dilution factor coast	100
Risk Management Measures	

	Prevent discharge of undissolved substance to or recover from wastewater	
Total effic. of removal from wastewater after RMMs and STP(%)		87 %
Waste-Related Measures		
	Dispose of waste cans and containers according to local regulations	
Exposure estimate and reference to its source		
Risk Characterization Ratio (RCR)	0,001433	
	Risk from environmental exposure is driven by marine water.	

Contributing exposure scenario	
Use descriptors covered	PC9a: Coatings and paints, thinners, paint removers, Solvent rich paint
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 10 %
Physical state	Liquid, high fugacity
Duration and Frequency of activity	Application duration: 66 min 1 uses per day
Indoor/Outdoor	Indoor
Room size	20 m3
	Assumes activities are at ambient temperature., Use in rooms with open windows.
	Amount per use 0,5 kg
Exposure estimate and reference to its source	
Assessment method	ConsExpo v4.1
	Consumer - inhalation, long-term - systemic
Exposure estimate	7,46 mg/m³
Risk Characterization Ratio (RCR)	0,51
Assessment method	ConsExpo v4.1
	Consumer - dermal, long-term - systemic
Exposure estimate	3,3 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,18
Guidance to Downstream Users	
For scaling see: http://www.rivm.nl/en/healthanddisease/productsafety/ConsExpo.jsp	

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13. Short title of exposure scenario

Use in Cleaning Agents, (consumer use)
C; C; ERC8a, ERC8d; PC35

Control of exposure and risk management measures

Contributing exposure scenario

Use descriptors covered	ERC8a: Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
Operational conditions	
Annual amount used in the EU	260.000 kg
Daily amount per site	0,03 kg
Minimum emission days per year Continuous	365
Emission factor air	95 %
Emission factor water	2,5 %
Emission factor soil	2,5 %
	Releases based on ESVOC/CEFIC information
Dilution factor river	10
Dilution factor coast	100
Risk Management Measures	
Total effic. of removal from wastewater after RMMs and STP(%)	87 %
Exposure estimate and reference to its source	
Risk Characterization Ratio (RCR)	0,00138
	Risk from environmental exposure is driven by marine water.

Contributing exposure scenario	
Use descriptors covered	ERC8d: Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)
Operational conditions	
Annual amount used in the EU	260.000 kg
Daily amount per site	0,03 kg
Minimum emission days per year Continuous	365
Emission factor air	95 %
Emission factor water	2,5 %
Emission factor soil	2,5 %
	Releases based on ESVOC/CEFIC information
Dilution factor river	10
Dilution factor coast	100

Risk Management Measures	
Total effic. of removal from wastewater after RMMs and STP(%)	87 %

Contributing exposure scenario	
Use descriptors covered	PC35: Washing and Cleaning Products (including solvent based products)., PC8_3, PC35_3: Subcategory: Cleaners, trigger sprays (all purpose cleaners, sanitary products, glass cleaners), Surface cleaning
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 10 %
Physical state	Liquid, high fugacity
Duration and Frequency of activity	Application duration: 60 min 3 uses per day
Indoor/Outdoor	Indoor
Room size	15 m3
	Assumes activities are at ambient temperature., Covers use under typical household ventilation.
	Amount per use 0,016 kg
Exposure estimate and reference to its source	
Assessment method	ConsExpo v4.1
	Consumer - inhalation, long-term - systemic
Exposure estimate	2,57 mg/m³
Risk Characterization Ratio (RCR)	0,18
Assessment method	ConsExpo v4.1
	Consumer - dermal, long-term - systemic
Exposure estimate	0,9 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,05
Assessment method	ConsExpo v4.1
	Consumer - oral, long-term - systemic
Exposure estimate	0,004 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,001
Guidance to Downstream Users	
For scaling see: http://www.rivm.nl/en/healthanddisease/productsafety/ConsExpo.jsp	

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14. Short title of exposure scenario

Use in Personal care products, (consumer use)
C; C; ERC8a

Control of exposure and risk management measures

Contributing exposure scenario	
Use descriptors covered	ERC8a: Widespread use of non-reactive processing aid

	(no inclusion into or onto article, indoor)
Operational conditions	
Annual amount used in the EU	2.600.000 kg
Daily amount per site	0,04 kg
Minimum emission days per year Continuous	365
Emission factor air	95 %
Emission factor water	2,5 %
Emission factor soil	2,5 %
	Releases based on ESVOC/CEFIC information
Dilution factor river	10
Dilution factor coast	100
Risk Management Measures	
Total effic. of removal from wastewater after RMMs and STP(%)	87 %
Exposure estimate and reference to its source	
Risk Characterization Ratio (RCR)	0,00138
	Risk from environmental exposure is driven by marine water.

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15. Short title of exposure scenario

Use in De-icing and Anti-icing agents, (consumer use)
C; C; ERC8a, ERC8d; PC4

Control of exposure and risk management measures

Contributing exposure scenario	
Use descriptors covered	ERC8a: Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
Operational conditions	
Annual amount per site	260.000 kg
Minimum emission days per year Continuous	365
Emission factor air	90 %
Emission factor water	5 %

Emission factor soil	5 %
	Releases based on ESVOC/CEFIC information
Dilution factor river	10
Dilution factor coast	100
Risk Management Measures	
Total effic. of removal from wastewater after RMMs and STP(%)	87 %
Exposure estimate and reference to its source	
Risk Characterization Ratio (RCR)	0,001385
	Risk from environmental exposure is driven by marine water.

Contributing exposure scenario	
Use descriptors covered	ERC8d: Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)
Operational conditions	
Annual amount per site	260.000 kg
Minimum emission days per year Continuous	365
Emission factor air	90 %
Emission factor water	5 %
Emission factor soil	5 %
	Releases based on ESVOC/CEFIC information
Dilution factor river	10
Dilution factor coast	100
Other Factors: Environment	Outdoor use.
Risk Management Measures	
Total effic. of removal from wastewater after RMMs and STP(%)	87 %
Exposure estimate and reference to its source	
Risk Characterization Ratio (RCR)	0,001385
	Risk from environmental exposure is driven by marine water.

Contributing exposure scenario	
Use descriptors covered	PC4: Anti-Freeze and De-icing products.
Operational conditions	
Concentration of the substance	1-methoxy-2-propanol Content: >= 0 % - <= 30 %

Physical state	Liquid, high fugacity
Duration and Frequency of activity	Application duration: 30 min 1 uses per day
Indoor/Outdoor	Outdoor
	Assumes activities are at ambient temperature.
	Amount per use 0,5 kg
Exposure estimate and reference to its source	
Assessment method	ConsExpo v4.1
	Consumer - inhalation, long-term - systemic
Exposure estimate	5,2 mg/m³
Risk Characterization Ratio (RCR)	0,36
Assessment method	ConsExpo v4.1
	Consumer - dermal, long-term - systemic
Exposure estimate	0,9 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,05
Assessment method	ConsExpo v4.1
	Consumer - oral, long-term - systemic
Exposure estimate	0,1 mg/kg bw/day
Risk Characterization Ratio (RCR)	0,03
Guidance to Downstream Users	
For scaling see: http://www.rivm.nl/en/healthanddisease/productsafety/ConsExpo.jsp	

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