We create chemistry

Safety data sheet

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.
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Product: **2-ETHYLHEXANOL**
(ID no. 30034817/SDS_GEN_GB/EN)
Date of print 16.10.2025

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

1.1. Product identifier

2-ETHYLHEXANOL

Chemical name: 2-ethylhexan-1-ol
CAS Number: 104-76-7

REACH registration number: 01-2119487289-20-0005, 01-2119487289-20

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

Relevant identified uses: Chemical

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

Contact address:
BASF plc
4th and 5th Floors, 2 Stockport Exchange
Railway Road, Stockport, SK1 3GG
UNITED KINGDOM

Telephone: +44 161 475 3000
E-mail address: product-safety-uk-and-ireland@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 GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

Acute Tox. 4 (Inhalation - mist)	H332 Harmful if inhaled.
Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2	H319 Causes serious eye irritation.
STOT SE 3	H335 May cause respiratory irritation.
Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting effects.

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 GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

Pictogram:

Signal Word:
Warning

Hazard Statement:

H319	Causes serious eye irritation.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves and eye protection or face protection.

Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.

Precautionary Statements (Disposal):

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

2.3. Other hazards

According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

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

2-Ethylhexan-1-ol (Content (W/W): > 99.5 %)
CAS Number: 104-76-7
EC-Number: 203-234-3

Hazardous ingredients (GHS)

2-Ethylhexan-1-ol

Content (W/W): > 99.5 % - <= 100 %	Acute Tox. 4 (Inhalation - mist)
CAS Number: 104-76-7	Skin Irrit. 2
EC-Number: 203-234-3	Eye Irrit. 2
	STOT SE 3 (irr. to respiratory syst.)
	Aquatic Chronic 3
	H319, H315, H332, H335, H412

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, 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.

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.

7.2. Conditions for safe storage, including any incompatibilities
Further information on storage conditions: Containers should be stored tightly sealed in a dry place. Keep under dry nitrogen. Blanket with nitrogen if the container is opened.

7.3. Specific end use(s)
See exposure scenario(s) in the attachment to this safety data sheet.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

Components with occupational exposure limits

104-76-7: 2-Ethylhexan-1-ol
TWA value 5.4 mg/m3 ; 1 ppm (OEL (EU))
indicative
TWA value 5.4 mg/m3 ; 1 ppm (WEL/EH 40 (UK))

PNEC
freshwater: 0.0278 mg/l

marine water: 0.00278 mg/l

intermittent release: 0.171 mg/l

sediment (freshwater): 0.272 mg/kg

sediment (marine water): 0.0272 mg/kg

soil: 0.0382 mg/kg

STP: 10 mg/l

oral (secondary poisoning): 55 mg/kg

DNEL
worker:
Long-term exposure- systemic effects, Inhalation: 12.8 mg/m3

worker:
Long-term exposure- systemic effects, dermal: 23 mg/kg

worker:
Short-term exposure - local effects, Inhalation: 53.2 mg/m3

consumer:
Long-term exposure- systemic effects, Inhalation: 2.3 mg/m3

consumer:
Long-term exposure- systemic effects, dermal: 11.4 mg/kg

consumer:
Short-term exposure - local effects, Inhalation: 26.6 mg/m3

worker:
Long-term exposure - local effects, Inhalation: 53.2 mg/m3

consumer:
Long-term exposure - local effects, Inhalation: 26.6 mg/m3

consumer:
Long-term exposure- systemic effects, oral: 1.1 mg/kg

8.2. Exposure controls

Personal protective equipment

Respiratory protection:
Suitable respiratory protection for lower concentrations or short-term effect: 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):
nitrile rubber (NBR) - 0.4 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

Form:	liquid	
Colour:	colourless	
Odour:	alcohol-like	
Odour threshold:	not determined	
pH value:	neutral, of low solubility	
Melting point:	-89 °C	(ASTM D97)
Boiling point:	186 °C (1,013 hPa)	(OECD Guideline 103)
Flash point:	75 °C	(closed cup)
Evaporation rate:	Value can be approximated from Henry's Law Constant or vapor pressure.	
Flammability:	Combustible liquid.	(derived from flash point)
Lower explosion limit:	0.88 %(V) Literature data., The lower explosion point may be 5 - 15 °C below the flash point.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Ignition temperature:	280 °C	(Directive 92/69/EEC, A.15)
Vapour pressure:	0.93 hPa (20 °C)	(OECD Guideline 104)
Density:	0.832 g/cm3 (20 °C)	(ASTM D4052)
Relative density:	0.832 (20 °C)	(ASTM D4052)
Relative vapour density (air):	4.49 (20 °C) Heavier than air.	(calculated)
Solubility in water:	0.9 g/l (20 °C)	
Partitioning coefficient n-octanol/water (log Kow):	2.9 (25 °C; pH value: 7)	(OECD Guideline 117)
Self ignition:	not self-igniting	Test type: Spontaneous self-ignition at room-temperature.
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	9.845 mPa.s (20 °C)	
Explosion hazard:	Based on the chemical structure there is no indication of explosive properties.	(other)
Fire promoting properties:	Based on its structural properties the product is not classified as oxidizing.	(other)

9.2. Other information

Self heating ability:	It is not a substance capable of spontaneous heating.	
pKA:	The substance does not dissociate.	
Adsorption/water - soil:	KOC: 35.28; log KOC: 1.55	(calculated)
Surface tension:	47 mN/m (20 °C; 0.81 g/l)	(OECD Guideline 115)
Grain size distribution:	The substance / product is marketed or used in a non solid or granular form.	
Molar mass:	130.23 g/mol	

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
No hazardous reactions if stored and handled as prescribed/indicated.

10.4. Conditions to avoid
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 toxicological effects

Acute toxicity

Assessment of acute toxicity:
Of low toxicity after single ingestion. Virtually nontoxic after a single skin contact. Of moderate toxicity after short-term inhalation.

Experimental/calculated data:
LD50 rat (oral): 2,047 mg/kg (similar to OECD guideline 401)

LC50 rat (by inhalation): > 0,89 - <= 5,3 mg/l 4 h (similar to OECD guideline 403)
An aerosol was tested.

LD50 rat (dermal): > 3,000 mg/kg (OECD Guideline 402)

Irritation

Assessment of irritating effects:
Eye contact causes irritation. Skin contact causes irritation.

Experimental/calculated data:
Skin corrosion/irritation
rabbit: Irritant. (OECD Guideline 404)

Serious eye damage/irritation
rabbit: Irritant. (OECD Guideline 405)

Serious eye damage/irritation
rabbit: Irritant. (OECD Guideline 405)

Respiratory/Skin sensitization

Assessment of sensitization:
The substance did not cause skin sensitization in humans.

Experimental/calculated data:
Human Maximization Test human: Non-sensitizing.

Germ cell mutagenicity

Assessment of mutagenicity:
No mutagenic effect was found in various tests with microorganisms and mammalian cell culture. The substance was not mutagenic in studies with mammals.

Carcinogenicity

Assessment of carcinogenicity:
In long-term studies in rats and mice in which the substance was given by gavage, 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. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Developmental toxicity

Assessment of teratogenicity:
Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

Specific target organ toxicity (single exposure)

Assessment of STOT single:
Causes temporary irritation of the respiratory tract.

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

Assessment of repeated dose toxicity:
No substance-specific organtoxicity was observed after repeated administration to animals.

Aspiration hazard

not applicable

SECTION 12: Ecological Information

12.1. Toxicity

Assessment of aquatic toxicity:
Acutely harmful for aquatic organisms. Harmful to aquatic organisms based on long-term (chronic) toxicity study data. 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) 17.1 mg/l, Leuciscus idus (OECD 203; ISO 7346; 84/449/EWG, C.1, Flow through.)

Aquatic invertebrates:
EC50 (48 h) 39 mg/l, Daphnia magna (Directive 84/449/EEC, C.2, static)
Nominal concentration.

Aquatic plants:

EC50 (72 h) 21.0 mg/l (growth rate), Scenedesmus subspicatus (Directive 88/302/EEC, part C, p. 89)
Nominal concentration.

EC10 (72 h) 7.41 mg/l (growth rate), Desmodesmus subspicatus (Directive 88/302/EEC, part C, p. 89)
Nominal concentration.

Microorganisms/Effect on activated sludge:
No data available.

Chronic toxicity to fish:
other (30 d) 0.278 mg/l, Brachydanio rerio (OECD Guideline 210, Flow through.)
The statement of the toxic effect relates to the analytically determined concentration.

Chronic toxicity to aquatic invertebrates:
EC10 (21 d) 1.53 mg/l, Daphnia magna (OECD Guideline 211, semistatic)
The statement of the toxic effect relates to the analytically determined concentration.

Assessment of terrestrial toxicity:
No data available concerning terrestrial toxicity.

12.2. Persistence and degradability

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

Elimination information:
79 - 99.9 % BOD of the ThOD (14 d) (OECD 301C; ISO 9408; 92/69/EWG, C.4-F) (aerobic, Inoculum conforming to MITI requirements (OECD 301C))

Assessment of stability in water:
No data available.
Information on Stability in Water (Hydrolysis):
No data available.

12.3. Bioaccumulative potential

Assessment bioaccumulation potential:
Significant 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). Self classification

12.6. Other adverse effects

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

12.7. Additional information

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

Other ecotoxicological advice:
Do not discharge product into the environment without control.

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

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

The UK Environmental Protection (Duty of Care) Regulations (EP) and amendments should be noted (United Kingdom).
This product and any uncleaned containers must be disposed of as hazardous waste in accordance with the 2005 Hazardous Waste Regulations and amendments (United Kingdom)

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

SECTION 14: Transport Information

Land transport

ADR

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

RID

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

Inland waterway transport

ADN

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user:	None known

Transport in inland waterway vessel

UN number or ID number:	ID9003
UN proper shipping name:	SUBSTANCES WITH FLASH-POINT BETWEEN 60°C - 100°C (contains 2-ETHYLHEXAN-1-OL)
Transport hazard class(es):	9, N3, F
Packing group:	Not applicable
Environmental hazards:	yes
Type of inland waterway vessel:	N
Cargo tank design:	4
Cargo tank type:	3

Sea transport

IMDG

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

Air transport

IATA/ICAO

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
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:	Octanol (all isomers)
Pollution category:	Y
Ship Type:	2

SECTION 15: Regulatory Information

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

Prohibitions, Restrictions and Authorizations

UK REACH SI, Annex XVII, Marketing and Use Restrictions
Number on List: 3
Concentration limit: 0.1 %

Directive 2012/18/EU - Control of Major Accident Hazards involving dangerous substances (EU):
Listed in above regulation: no
Classification applies for standard conditions of temperature and pressure.

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

The data should be considered when making any assessment under the Control of Substances Hazardous to Health Regulations (COSHH), and related guidance, for example, 'COSHH Essentials' (United Kingdom).

15.2. Chemical Safety Assessment

Chemical Safety Assessment performed

SECTION 16: Other Information

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

Aquatic Acute 3
Skin Irrit. 2
Eye Irrit. 2A
Flam. Liq. 4
Acute Tox. 5 (oral)
STOT SE 3 (irritating to respiratory system)
Acute Tox. 4 (Inhalation - mist)
Aquatic Chronic 3

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

Acute Tox.	Acute toxicity
Skin Irrit.	Skin irritation
Eye Irrit.	Eye irritation
STOT SE	Specific target organ toxicity — single exposure

Aquatic Chronic	Hazardous to the aquatic environment - chronic
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

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

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1. Short title of exposure scenario

Formulation
IS; ERC2; PROC1, PROC2, PROC3, PROC5, PROC8a, PROC8b, PROC9, PROC15

Control of exposure and risk management measures

Contributing exposure scenario	
Use descriptors covered	ESVOC SpERC 4.10a.v1: ESVOC SpERC 4.10a.v1

Operational conditions	
Annual amount per site	240,000 kg
Minimum emission days per year	300
Emission factor air	0.5 %
Emission factor water	0.2 %
Emission factor soil	0.01 %
Receive Surf. Water (Flow Rate).	18,000 m3/d
Dilution factor river	10
Dilution factor coast	100
Risk Management Measures	
Air treatment measures considered suitable are, e.g.	Wet scrubber - for dusts, Filtration, Waste gas treatment by thermal oxidation, Adsorption
Wastewater treatment measures considered suitable are, e.g.	Acclimated biological treatment, Distillation
Type of STP	Municipal STP
Assumed sewage treatment plant flow (m3/d)	2,000 m3/d
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Environment
Risk Characterization Ratio (RCR)	0.663374
	Risk from environmental exposure is driven by soil.
Maximum amount of safe use	1,206 kg/d
Risk from environmental exposure is driven by soil.	

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	2-Ethylhexan-1-ol Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week

Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0069 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.000298
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	0.0542 mg/m³
Risk Characterization Ratio (RCR)	0.004238
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	0.0542 mg/m³
Risk Characterization Ratio (RCR)	0.00102
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

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 Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.

Risk Management Measures	
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.2743 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.011925
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.425 mg/m³
Risk Characterization Ratio (RCR)	0.423828
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	5.425 mg/m³
Risk Characterization Ratio (RCR)	0.101974
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

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 domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	

Provide a good standard of general ventilation (not less than 3 - 5 air changes per hour)	Effectiveness: 30 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general ventilation (not less than 3 - 5 air changes per hour)	
Use suitable chemically resistant gloves., Alternatively:, Wear a suitable respiratory protection with adequate effectiveness (90%)., In case no respiratory protection is used:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.1371 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.005963
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	11.3925 mg/m³
Risk Characterization Ratio (RCR)	0.890039
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	11.3925 mg/m³
Risk Characterization Ratio (RCR)	0.214145
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC5: Mixing or blending in batch processes Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 100 %
Physical state	liquid

Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	Effectiveness: 70 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	
Use suitable chemically resistant gloves., Alternatively:, Wear a suitable respiratory protection with adequate effectiveness (90%)., In case no respiratory protection is used:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	2.7429 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.119255
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	8.1375 mg/m³
Risk Characterization Ratio (RCR)	0.635742
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	8.1375 mg/m³
Risk Characterization Ratio (RCR)	0.152961
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and

	discharging) at non-dedicated facilities Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Wear suitable respiratory protection.	Effectiveness: 90 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves., Wear a suitable respiratory protection with adequate effectiveness (90%)., In case no respiratory protection is used:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	2.7429 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.119255
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.425 mg/m³
Risk Characterization Ratio (RCR)	0.423828
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	5.425 mg/m³
Risk Characterization Ratio (RCR)	0.101974
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	Effectiveness: 70 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	
Use suitable chemically resistant gloves., Alternatively:, Wear a suitable respiratory protection with adequate effectiveness (90%)., In case no respiratory protection is used:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	2.7429 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.119255
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	8.1375 mg/m³

Risk Characterization Ratio (RCR)	0.635742
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	8.1375 mg/m³
Risk Characterization Ratio (RCR)	0.152961
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing). Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	Effectiveness: 70 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	
Use suitable chemically resistant gloves., Alternatively:, Wear a suitable respiratory protection with adequate effectiveness (90%)., In case no respiratory protection is used:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	

Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1.3714 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.059627
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	8.1375 mg/m³
Risk Characterization Ratio (RCR)	0.635742
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	8.1375 mg/m³
Risk Characterization Ratio (RCR)	0.152961
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC15: Use a laboratory reagent. Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	Effectiveness: 70 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	
Use suitable chemically resistant	

gloves., Alternatively:, Wear a suitable respiratory protection with adequate effectiveness (90%)., In case no respiratory protection is used:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0686 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.002981
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	8.1375 mg/m³
Risk Characterization Ratio (RCR)	0.635742
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	8.1375 mg/m³
Risk Characterization Ratio (RCR)	0.152961
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

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2. Short title of exposure scenario

Use in Coatings
IS; ERC4; PROC1, PROC2, PROC3, PROC5, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC15

Control of exposure and risk management measures

Contributing exposure scenario	
Use descriptors covered	PROC15: Use a laboratory reagent. Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Provide a good standard of general or	Effectiveness: 70 %

controlled ventilation (5 to 10 air changes per hour)	
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	
Use suitable chemically resistant gloves., Alternatively:, Wear a suitable respiratory protection with adequate effectiveness (90%)., In case no respiratory protection is used:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0411 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.001789
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	4.8825 mg/m³
Risk Characterization Ratio (RCR)	0.381445
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	4.8825 mg/m³
Risk Characterization Ratio (RCR)	0.091776
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC13: Treatment of articles by dipping and pouring. Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Physical state	liquid
Vapour pressure of the substance	93 Pa

during use	
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	Effectiveness: 70 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	
Use suitable chemically resistant gloves., Alternatively:, Wear a suitable respiratory protection with adequate effectiveness (90%)., In case no respiratory protection is used:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1.6457 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.071553
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	9.765 mg/m³
Risk Characterization Ratio (RCR)	0.762891
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	9.765 mg/m³
Risk Characterization Ratio (RCR)	0.183553
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC10: Roller application or brushing Use domain: industrial

Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Wear suitable respiratory protection.	Effectiveness: 90 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves., Wear a suitable respiratory protection with adequate effectiveness (90%)., Alternatively:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	3.2914 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.143106
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	3.255 mg/m³
Risk Characterization Ratio (RCR)	0.254297
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	3.255 mg/m³
Risk Characterization Ratio (RCR)	0.061184
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC9: Transfer of substance or preparation into small

	containers (dedicated filling line, including weighing). Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	Effectiveness: 70 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	
Use suitable chemically resistant gloves., Alternatively:, Wear a suitable respiratory protection with adequate effectiveness (90%)., In case no respiratory protection is used:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.8229 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.035776
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	4.8825 mg/m³
Risk Characterization Ratio (RCR)	0.381445
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local

Exposure estimate	4.8825 mg/m³
Risk Characterization Ratio (RCR)	0.091776
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	Effectiveness: 70 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	
Use suitable chemically resistant gloves., Alternatively:, Wear a suitable respiratory protection with adequate effectiveness (90%)., In case no respiratory protection is used:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic

Exposure estimate	1.6457 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.071553
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	4.8825 mg/m³
Risk Characterization Ratio (RCR)	0.381445
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	4.8825 mg/m³
Risk Characterization Ratio (RCR)	0.091776
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Wear suitable respiratory protection.	Effectiveness: 90 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves., Wear a suitable respiratory protection with adequate effectiveness (90%)., In case no respiratory protection is used:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	

Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1.6457 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.071553
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	3.255 mg/m³
Risk Characterization Ratio (RCR)	0.254297
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	3.255 mg/m³
Risk Characterization Ratio (RCR)	0.061184
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC7: Industrial spraying Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Local exhaust ventilation	Effectiveness: 95 %
Wear suitable respiratory protection.	Effectiveness: 90 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves., Use a local exhaust ventilation with adequate effectiveness (95%)., Wear a suitable respiratory protection with adequate	

effectiveness (90%)., Alternatively:, Reduce concentration to less than 5%	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	5.1429 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.223602
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	1.6275 mg/m³
Risk Characterization Ratio (RCR)	0.127148
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	1.6275 mg/m³
Risk Characterization Ratio (RCR)	0.030592
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC5: Mixing or blending in batch processes Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	Effectiveness: 70 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general or	

controlled ventilation (5 to 10 air changes per hour)	
Use suitable chemically resistant gloves., Alternatively:, Wear a suitable respiratory protection with adequate effectiveness (90%)., In case no respiratory protection is used:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1.6457 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.071553
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	4.8825 mg/m³
Risk Characterization Ratio (RCR)	0.381445
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	4.8825 mg/m³
Risk Characterization Ratio (RCR)	0.091776
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

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 domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Provide a good standard of general ventilation (not less than 3 - 5 air changes per hour)	Effectiveness: 30 %
Use suitable chemically resistant	Effectiveness: 80 %

gloves.	
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general ventilation (not less than 3 - 5 air changes per hour)	
Use suitable chemically resistant gloves., Alternatively:, Wear a suitable respiratory protection with adequate effectiveness (90%)., In case no respiratory protection is used:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0823 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.003578
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	6.8355 mg/m³
Risk Characterization Ratio (RCR)	0.534023
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	6.8355 mg/m³
Risk Characterization Ratio (RCR)	0.128487
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

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 Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa

Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.1646 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.007155
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	3.255 mg/m³
Risk Characterization Ratio (RCR)	0.254297
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	3.255 mg/m³
Risk Characterization Ratio (RCR)	0.061184
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

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	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week

Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0041 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.000179
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	0.0325 mg/m³
Risk Characterization Ratio (RCR)	0.002543
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	0.0325 mg/m³
Risk Characterization Ratio (RCR)	0.000612
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	ESVOC SpERC 4.4a.v1: ESVOC SpERC 4.4a.v1
Operational conditions	
Annual amount per site	66,000 kg
Minimum emission days per year	300
Emission factor air	98 %
Emission factor water	0.7 %
Emission factor soil	0 %
Receive Surf. Water (Flow Rate).	18,000 m3/d
Dilution factor river	10

Dilution factor coast	100
Risk Management Measures	
Air treatment measures considered suitable are, e.g.	Wet scrubber - for dusts, Filtration, Waste gas treatment by thermal oxidation, Adsorption
Wastewater treatment measures considered suitable are, e.g.	Acclimated biological treatment, Distillation
Type of STP	Municipal STP
Assumed sewage treatment plant flow (m3/d)	2,000 m3/d
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Environment
Risk Characterization Ratio (RCR)	0.219538
	Risk from environmental exposure is driven by freshwater sediment.
Maximum amount of safe use	100.2 kg/d
Risk from environmental exposure is driven by freshwater sediment.	

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3. Short title of exposure scenario

Use in Functional Fluids
IS; ERC7; PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC9, PROC15

Control of exposure and risk management measures

Contributing exposure scenario	
Use descriptors covered	PROC15: Use a laboratory reagent. Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	Effectiveness: 70 %
Use suitable chemically resistant	Effectiveness: 80 %

gloves.	
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	
Use suitable chemically resistant gloves., Alternatively:, Wear a suitable respiratory protection with adequate effectiveness (90%)., In case no respiratory protection is used:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0411 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.001789
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	4.8825 mg/m³
Risk Characterization Ratio (RCR)	0.381445
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	4.8825 mg/m³
Risk Characterization Ratio (RCR)	0.091776
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing). Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week

Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	Effectiveness: 70 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	
Use suitable chemically resistant gloves., Alternatively:, Wear a suitable respiratory protection with adequate effectiveness (90%)., In case no respiratory protection is used:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.8229 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.035776
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	4.8825 mg/m³
Risk Characterization Ratio (RCR)	0.381445
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	4.8825 mg/m³
Risk Characterization Ratio (RCR)	0.091776
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

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

Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	Effectiveness: 70 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	
Use suitable chemically resistant gloves., Alternatively:, Wear a suitable respiratory protection with adequate effectiveness (90%)., In case no respiratory protection is used:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1.6457 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.071553
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	4.8825 mg/m³
Risk Characterization Ratio (RCR)	0.381445
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	4.8825 mg/m³
Risk Characterization Ratio (RCR)	0.091776
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker

Guidance to Downstream Users
For scaling see: http://www.ecetoc.org/tra

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Wear suitable respiratory protection.	Effectiveness: 90 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves., Wear a suitable respiratory protection with adequate effectiveness (90%)., In case no respiratory protection is used:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1.6457 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.071553
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	3.255 mg/m³
Risk Characterization Ratio (RCR)	0.254297
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local

Exposure estimate	3.255 mg/m³
Risk Characterization Ratio (RCR)	0.061184
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

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 domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Provide a good standard of general ventilation (not less than 3 - 5 air changes per hour)	Effectiveness: 30 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general ventilation (not less than 3 - 5 air changes per hour)	
Use suitable chemically resistant gloves., Alternatively:, Wear a suitable respiratory protection with adequate effectiveness (90%)., In case no respiratory protection is used:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	
Exposure estimate and reference to its source	

Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0823 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.003578
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	6.8355 mg/m³
Risk Characterization Ratio (RCR)	0.534023
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	6.8355 mg/m³
Risk Characterization Ratio (RCR)	0.128487
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

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 Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic

Exposure estimate	0.1646 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.007155
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	3.255 mg/m³
Risk Characterization Ratio (RCR)	0.254297
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	3.255 mg/m³
Risk Characterization Ratio (RCR)	0.061184
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

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	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0041 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.000179

Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	0.0325 mg/m³
Risk Characterization Ratio (RCR)	0.002543
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	0.0325 mg/m³
Risk Characterization Ratio (RCR)	0.000612
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario		
Use descriptors covered	ESVOC SpERC 8.10b.v1: ESVOC SpERC 8.10b.v1	
Operational conditions		
Annual amount per site	90,000 kg	
Minimum emission days per year	20	
Emission factor air	0.1 %	
Emission factor water	0.03 %	
Emission factor soil	0.1 %	
Receive Surf. Water (Flow Rate).	18,000 m3/d	
Dilution factor river	10	
Dilution factor coast	100	
Risk Management Measures		
Air treatment measures considered suitable are, e.g.		Wet scrubber - for dusts, Filtration, Waste gas treatment by thermal oxidation, Adsorption
Wastewater treatment measures considered suitable are, e.g.		Acclimated biological treatment, Distillation
Type of STP		Municipal STP
Assumed sewage treatment plant flow (m3/d)		2,000 m3/d
Exposure estimate and reference to its source		
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Environment	
Risk Characterization Ratio (RCR)	0.215191	
	Risk from environmental exposure is driven by freshwater sediment.	
Maximum amount of safe use	2,091.2 kg/d	
Risk from environmental exposure is driven by freshwater sediment.		

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4. Short title of exposure scenario

Use in Cleaning Agents
IS; ERC4; PROC2, PROC3, PROC7, PROC8a, PROC8b

Control of exposure and risk management measures

Contributing exposure scenario		
Use descriptors covered	ESVOC SpERC 4.6a.v1: ESVOC SpERC 4.6a.v1	
Operational conditions		
Annual amount per site	30 kg	
Minimum emission days per year	20	
Emission factor air	30 %	
Emission factor water	0.003 %	
Emission factor soil	0 %	
Receive Surf. Water (Flow Rate).	18,000 m3/d	
Dilution factor river	10	
Dilution factor coast	100	
Risk Management Measures		
Air treatment measures considered suitable are, e.g.		Wet scrubber - for dusts, Waste gas treatment by thermal oxidation, Adsorption
Wastewater treatment measures considered suitable are, e.g.		Acclimated biological treatment, Distillation
Type of STP		Municipal STP
Assumed sewage treatment plant flow (m3/d)		2,000 m3/d
Exposure estimate and reference to its source		
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Environment	
Risk Characterization Ratio (RCR)	0.184302	
	Risk from environmental exposure is driven by freshwater sediment.	
Maximum amount of safe use	0.813879 kg/d	
Risk from environmental exposure is driven by freshwater sediment.		

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 Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 5 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0549 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.002385
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	1.085 mg/m³
Risk Characterization Ratio (RCR)	0.084766
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	1.085 mg/m³
Risk Characterization Ratio (RCR)	0.020395
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

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 domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 5 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0274 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.001193
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	3.255 mg/m³
Risk Characterization Ratio (RCR)	0.254297
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	3.255 mg/m³
Risk Characterization Ratio (RCR)	0.061184
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC7: Industrial spraying Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol

	Content: >= 0 % - <= 5 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Wear suitable respiratory protection.	Effectiveness: 90 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves., Wear a suitable respiratory protection with adequate effectiveness (90%)., Alternatively:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1.7143 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.074534
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	10.85 mg/m³
Risk Characterization Ratio (RCR)	0.847656
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	10.85 mg/m³
Risk Characterization Ratio (RCR)	0.203947
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Use domain: industrial

Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Wear suitable respiratory protection.	Effectiveness: 90 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves., Wear a suitable respiratory protection with adequate effectiveness (90%)., In case no respiratory protection is used:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	2.7429 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.119255
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.425 mg/m³
Risk Characterization Ratio (RCR)	0.423828
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	5.425 mg/m³
Risk Characterization Ratio (RCR)	0.101974
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC8b: Transfer of substance or mixture (charging and

	discharging) at dedicated facilities Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	Effectiveness: 70 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	
Use suitable chemically resistant gloves., Alternatively:, Wear a suitable respiratory protection with adequate effectiveness (90%)., In case no respiratory protection is used:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	2.7429 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.119255
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	8.1375 mg/m³
Risk Characterization Ratio (RCR)	0.635742
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local

Exposure estimate	8.1375 mg/m³
Risk Characterization Ratio (RCR)	0.152961
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

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5. Short title of exposure scenario

Use in Oil and Gas field drilling and production operations
IS; ERC4; PROC1, PROC2, PROC3, PROC5, PROC8a, PROC8b, PROC15

Control of exposure and risk management measures

Contributing exposure scenario	
Use descriptors covered	PROC15: Use a laboratory reagent. Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Wear suitable respiratory protection.	Effectiveness: 90 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves., Wear a suitable respiratory protection with adequate effectiveness (90%)., Alternatively:, Reduce concentration to less than 5%	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic

Exposure estimate	0.0686 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.002981
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	2.7125 mg/m³
Risk Characterization Ratio (RCR)	0.211914
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	2.7125 mg/m³
Risk Characterization Ratio (RCR)	0.050987
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Wear suitable respiratory protection.	Effectiveness: 90 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves., Wear a suitable respiratory protection with adequate effectiveness (90%)., Alternatively:, In case no respiratory protection is used:, Use a local exhaust ventilation with adequate effectiveness., Reduce concentration to less than 5%	

Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	2.7429 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.119255
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	2.7125 mg/m³
Risk Characterization Ratio (RCR)	0.211914
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	2.7125 mg/m³
Risk Characterization Ratio (RCR)	0.050987
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Wear suitable respiratory protection.	Effectiveness: 90 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves., Wear a suitable respiratory protection with adequate effectiveness (90%)., In case no respiratory	

protection is used:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	2.7429 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.119255
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.425 mg/m³
Risk Characterization Ratio (RCR)	0.423828
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	5.425 mg/m³
Risk Characterization Ratio (RCR)	0.101974
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC5: Mixing or blending in batch processes Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 5 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	

Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.5486 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.023851
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.425 mg/m³
Risk Characterization Ratio (RCR)	0.423828
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	5.425 mg/m³
Risk Characterization Ratio (RCR)	0.101974
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

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 domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 5 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	

Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0274 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.001193
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	3.255 mg/m³
Risk Characterization Ratio (RCR)	0.254297
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	3.255 mg/m³
Risk Characterization Ratio (RCR)	0.061184
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

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 Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic

Exposure estimate	0.2743 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.011925
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.425 mg/m³
Risk Characterization Ratio (RCR)	0.423828
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	5.425 mg/m³
Risk Characterization Ratio (RCR)	0.101974
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

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	2-Ethylhexan-1-ol Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0069 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.000298

Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	0.0542 mg/m³
Risk Characterization Ratio (RCR)	0.004238
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	0.0542 mg/m³
Risk Characterization Ratio (RCR)	0.00102
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

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 per site	440 kg	
Minimum emission days per year	30	
Emission factor air	0.1 %	
Emission factor water	7 %	
Emission factor soil	0 %	
Receive Surf. Water (Flow Rate).	18,000 m3/d	
Dilution factor river	10	
Dilution factor coast	100	
Risk Management Measures		
Type of STP		Municipal STP
Assumed sewage treatment plant flow (m3/d)		2,000 m3/d
Exposure estimate and reference to its source		
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Environment	
Risk Characterization Ratio (RCR)	0.207793	
	Risk from environmental exposure is driven by freshwater sediment.	
Maximum amount of safe use	7.1 kg/d	
Risk from environmental exposure is driven by freshwater sediment.		

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6. Short title of exposure scenario

Use as an intermediate
IS; ERC6a; PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC9, PROC15

Control of exposure and risk management measures

Contributing exposure scenario	
Use descriptors covered	PROC15: Use a laboratory reagent. Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	Effectiveness: 70 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	
Use suitable chemically resistant gloves., Alternatively:, Wear a suitable respiratory protection with adequate effectiveness (90%)., In case no respiratory protection is used:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0686 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.002981
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker

	Worker - inhalation, long-term - systemic
Exposure estimate	8.1375 mg/m³
Risk Characterization Ratio (RCR)	0.635742
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	8.1375 mg/m³
Risk Characterization Ratio (RCR)	0.152961
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing). Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	Effectiveness: 70 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	
Use suitable chemically resistant gloves., Alternatively:, Wear a suitable respiratory protection with adequate effectiveness (90%)., In case no respiratory protection is used:, Use a local exhaust ventilation with	

adequate effectiveness.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1.3714 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.059627
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	8.1375 mg/m³
Risk Characterization Ratio (RCR)	0.635742
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	8.1375 mg/m³
Risk Characterization Ratio (RCR)	0.152961
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	Effectiveness: 70 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general or	

controlled ventilation (5 to 10 air changes per hour)	
Use suitable chemically resistant gloves., Alternatively:, Wear a suitable respiratory protection with adequate effectiveness (90%)., In case no respiratory protection is used:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	2.7429 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.119255
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	8.1375 mg/m³
Risk Characterization Ratio (RCR)	0.635742
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	8.1375 mg/m³
Risk Characterization Ratio (RCR)	0.152961
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Wear suitable respiratory protection.	Effectiveness: 90 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in	

place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves., Wear a suitable respiratory protection with adequate effectiveness (90%)., In case no respiratory protection is used:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	2.7429 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.119255
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.425 mg/m³
Risk Characterization Ratio (RCR)	0.423828
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	5.425 mg/m³
Risk Characterization Ratio (RCR)	0.101974
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC4: Chemical production where opportunity for exposure arises Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	Effectiveness: 70 %

Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	
Use suitable chemically resistant gloves., Alternatively:, Wear a suitable respiratory protection with adequate effectiveness (90%)., In case no respiratory protection is used:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1.3714 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.059627
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	8.1375 mg/m³
Risk Characterization Ratio (RCR)	0.635742
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	8.1375 mg/m³
Risk Characterization Ratio (RCR)	0.152961
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

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 domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 100 %
Physical state	liquid

Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Provide a good standard of general ventilation (not less than 3 - 5 air changes per hour)	Effectiveness: 30 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general ventilation (not less than 3 - 5 air changes per hour)	
Use suitable chemically resistant gloves., Alternatively:, Wear a suitable respiratory protection with adequate effectiveness (90%)., In case no respiratory protection is used:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.1371 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.005963
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	11.3925 mg/m³
Risk Characterization Ratio (RCR)	0.890039
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	11.3925 mg/m³
Risk Characterization Ratio (RCR)	0.214145
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

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 Use domain: industrial
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.2743 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.011925
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.425 mg/m³
Risk Characterization Ratio (RCR)	0.423828
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	5.425 mg/m³
Risk Characterization Ratio (RCR)	0.101974
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

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	2-Ethylhexan-1-ol Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0069 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.000298
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	0.0542 mg/m³
Risk Characterization Ratio (RCR)	0.004238
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	0.0542 mg/m³
Risk Characterization Ratio (RCR)	0.00102
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	ERC6a: Use of intermediate
Operational conditions	
Annual amount per site	1,800,000 kg

Minimum emission days per year	300
Emission factor air	0.001 %
Emission factor water	0.081 %
Emission factor soil	0.01 %
Receive Surf. Water (Flow Rate).	388,800 m3/d
Dilution factor river	39.88
Dilution factor coast	100
Risk Management Measures	
Type of STP	Municipal STP
Assumed sewage treatment plant flow (m3/d)	10,000 m3/d
Exposure estimate and reference to its source	
Assessment method	EASY TRA v3.6, ECETOC TRA v3.0, Environment
Risk Characterization Ratio (RCR)	0.497365
	Risk from environmental exposure is driven by marine sediment.
Maximum amount of safe use	12,063.6 kg/d
Risk from environmental exposure is driven by marine sediment.	

Contributing exposure scenario	
Use descriptors covered	ERC6a: Use of intermediate
Operational conditions	
Annual amount per site	30,000 kg
Minimum emission days per year	100
Emission factor air	5 %
Emission factor water	2 %
Emission factor soil	0.1 %
Receive Surf. Water (Flow Rate).	18,000 m3/d
Dilution factor river	10
Dilution factor coast	100
Risk Management Measures	
Type of STP	Municipal STP
Assumed sewage treatment plant flow (m3/d)	2,000 m3/d

Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Environment
Risk Characterization Ratio (RCR)	0.321587
	Risk from environmental exposure is driven by freshwater sediment.
Maximum amount of safe use	93.3 kg/d
Risk from environmental exposure is driven by freshwater sediment.	

Contributing exposure scenario		
Use descriptors covered	ERC6a: Use of intermediate	
Operational conditions		
Annual amount per site	150,000 kg	
Minimum emission days per year	300	
Emission factor air	0.01 %	
Emission factor water	0.3 %	
Emission factor soil	0.1 %	
Receive Surf. Water (Flow Rate).	18,000 m3/d	
Dilution factor river	10	
Dilution factor coast	100	
Risk Management Measures		
Type of STP		Municipal STP
Assumed sewage treatment plant flow (m3/d)		2,000 m3/d
Exposure estimate and reference to its source		
Assessment method	EASY TRA v3.6, ECETOC TRA v3.0, Environment	
Risk Characterization Ratio (RCR)	0.697076	
	Risk from environmental exposure is driven by freshwater sediment.	
Maximum amount of safe use	717.3 kg/d	
Risk from environmental exposure is driven by freshwater sediment.		

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7. Short title of exposure scenario

Use in Coatings
PW; ERC8a, ERC8d; PROC1, PROC2, PROC3, PROC5, PROC8a, PROC8b, PROC10, PROC11, PROC13, PROC15, PROC19

Control of exposure and risk management measures

Contributing exposure scenario	
Use descriptors covered	PROC19: Manual activities involving hand contact Use domain: professional
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 5 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	Effectiveness: 70 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	5.6571 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.245963
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	8.1375 mg/m³
Risk Characterization Ratio (RCR)	0.635742
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	8.1375 mg/m³
Risk Characterization Ratio (RCR)	0.152961

Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC15: Use a laboratory reagent. Use domain: professional
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 5 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0137 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.000596
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.425 mg/m³
Risk Characterization Ratio (RCR)	0.423828
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	5.425 mg/m³
Risk Characterization Ratio (RCR)	0.101974
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC13: Treatment of articles by dipping and pouring. Use domain: professional
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 5 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.5486 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.023851
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	10.85 mg/m³
Risk Characterization Ratio (RCR)	0.847656
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	10.85 mg/m³
Risk Characterization Ratio (RCR)	0.203947
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC11: Non industrial spraying Use domain: professional

Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 5 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Wear suitable respiratory protection.	Effectiveness: 90 %
Provide a good standard of general ventilation (not less than 3 - 5 air changes per hour)	Effectiveness: 30 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general ventilation (not less than 3 - 5 air changes per hour)	
Use suitable chemically resistant gloves., Wear a suitable respiratory protection with adequate effectiveness (90%).	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	4.2857 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.186335
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	7.595 mg/m³
Risk Characterization Ratio (RCR)	0.593359
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	7.595 mg/m³
Risk Characterization Ratio (RCR)	0.142763
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC10: Roller application or brushing Use domain: professional
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 5 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	Effectiveness: 70 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1.0971 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.047702
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	8.1375 mg/m³
Risk Characterization Ratio (RCR)	0.635742
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	8.1375 mg/m³
Risk Characterization Ratio (RCR)	0.152961
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker

Guidance to Downstream Users
For scaling see: http://www.ecetoc.org/tra

Contributing exposure scenario	
Use descriptors covered	PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities Use domain: professional
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 5 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.5486 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.023851
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	10.85 mg/m³
Risk Characterization Ratio (RCR)	0.847656
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	10.85 mg/m³
Risk Characterization Ratio (RCR)	0.203947
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Use domain: professional
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 5 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	Effectiveness: 70 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.5486 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.023851
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	8.1375 mg/m³
Risk Characterization Ratio (RCR)	0.635742
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	8.1375 mg/m³
Risk Characterization Ratio (RCR)	0.152961
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker

Guidance to Downstream Users
For scaling see: http://www.ecetoc.org/tra

Contributing exposure scenario	
Use descriptors covered	PROC5: Mixing or blending in batch processes Use domain: professional
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 5 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.5486 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.023851
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	10.85 mg/m³
Risk Characterization Ratio (RCR)	0.847656
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	10.85 mg/m³
Risk Characterization Ratio (RCR)	0.203947
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

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 domain: professional
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 5 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0274 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.001193
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	3.255 mg/m³
Risk Characterization Ratio (RCR)	0.254297
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	3.255 mg/m³
Risk Characterization Ratio (RCR)	0.061184
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

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 Use domain: professional
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 5 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0549 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.002385
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	5.425 mg/m³
Risk Characterization Ratio (RCR)	0.423828
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	5.425 mg/m³
Risk Characterization Ratio (RCR)	0.101974
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

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	2-Ethylhexan-1-ol Content: >= 0 % - <= 5 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0014 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.00006
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	0.0108 mg/m³
Risk Characterization Ratio (RCR)	0.000848
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	0.0108 mg/m³
Risk Characterization Ratio (RCR)	0.000204
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	ESVOC SpERC 8.3b.v2
Operational conditions	
Annual amount used in the EU	5,000,000 kg

Minimum emission days per year	365
Emission factor air	98 %
Emission factor water	1 %
Emission factor soil	1 %
Receive Surf. Water (Flow Rate).	18,000 m3/d
Dilution factor river	10
Dilution factor coast	100
Risk Management Measures	
Type of STP	no STP
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Environment
Risk Characterization Ratio (RCR)	0.268441
	Risk from environmental exposure is driven by freshwater sediment.
Maximum amount of safe use	10.2 kg/d
Risk from environmental exposure is driven by freshwater sediment.	

Contributing exposure scenario	
Use descriptors covered	ESVOC SpERC 8.3b.v2
Operational conditions	
Annual amount used in the EU	5,000,000 kg
Minimum emission days per year	365
Emission factor air	98 %
Emission factor water	1 %
Emission factor soil	1 %
Receive Surf. Water (Flow Rate).	18,000 m3/d
Dilution factor river	10
Dilution factor coast	100
Risk Management Measures	
Type of STP	Municipal STP
Assumed sewage treatment plant flow (m3/d)	2,000 m3/d
Exposure estimate and reference to its source	

Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Environment
Risk Characterization Ratio (RCR)	0.19057
	Risk from environmental exposure is driven by freshwater sediment.
Maximum amount of safe use	14.4 kg/d
Risk from environmental exposure is driven by freshwater sediment.	

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8. Short title of exposure scenario

Use in Functional Fluids
PW; ERC9a, ERC9b; PROC1, PROC2, PROC3, PROC8a, PROC9, PROC15, PROC20

Control of exposure and risk management measures

Contributing exposure scenario	
Use descriptors covered	PROC20: Use of functional fluids in small devices Use domain: professional
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	Effectiveness: 70 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	
Use suitable chemically resistant	

gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.2057 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.008944
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	4.8825 mg/m³
Risk Characterization Ratio (RCR)	0.381445
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	4.8825 mg/m³
Risk Characterization Ratio (RCR)	0.091776
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC15: Use a laboratory reagent. Use domain: professional
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	Effectiveness: 70 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general or controlled ventilation (5 to 10 air	

changes per hour)	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0411 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.001789
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	4.8825 mg/m³
Risk Characterization Ratio (RCR)	0.381445
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	4.8825 mg/m³
Risk Characterization Ratio (RCR)	0.091776
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing). Use domain: professional
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	Effectiveness: 70 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of	

staff exposed.	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.8229 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.035776
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	9.765 mg/m³
Risk Characterization Ratio (RCR)	0.762891
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	9.765 mg/m³
Risk Characterization Ratio (RCR)	0.183553
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Use domain: professional
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Wear suitable respiratory protection.	Effectiveness: 90 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices	

are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves., Wear a suitable respiratory protection with adequate effectiveness (90%)., In case no respiratory protection is used:, Use a local exhaust ventilation with adequate effectiveness.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1.6457 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.071553
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	8.1375 mg/m³
Risk Characterization Ratio (RCR)	0.635742
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	8.1375 mg/m³
Risk Characterization Ratio (RCR)	0.152961
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

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 domain: professional
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Provide a good standard of general ventilation (not less than 3 - 5 air changes per hour)	Effectiveness: 30 %
Use suitable chemically resistant	Effectiveness: 80 %

gloves.	
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general ventilation (not less than 3 - 5 air changes per hour)	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0823 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.003578
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	6.8355 mg/m³
Risk Characterization Ratio (RCR)	0.534023
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	6.8355 mg/m³
Risk Characterization Ratio (RCR)	0.128487
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

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 Use domain: professional
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	

Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	Effectiveness: 70 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Provide a good standard of general or controlled ventilation (5 to 10 air changes per hour)	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.1646 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.007155
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	4.8825 mg/m³
Risk Characterization Ratio (RCR)	0.381445
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	4.8825 mg/m³
Risk Characterization Ratio (RCR)	0.091776
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

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	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week

Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves.	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	0.0041 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.000179
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	0.0325 mg/m³
Risk Characterization Ratio (RCR)	0.002543
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	0.0325 mg/m³
Risk Characterization Ratio (RCR)	0.000612
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	ESVOC SpERC 9.13b.v2
Operational conditions	
Annual amount used in the EU	5,000,000 kg
Minimum emission days per year	365
Emission factor air	5 %
Emission factor water	5 %
Emission factor soil	5 %
Receive Surf. Water (Flow Rate).	18,000 m3/d

Dilution factor river	10
Dilution factor coast	100
Risk Management Measures	
Type of STP	no STP
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Environment
Risk Characterization Ratio (RCR)	0.604998
	Risk from environmental exposure is driven by freshwater sediment.
Maximum amount of safe use	4.5 kg/d
Risk from environmental exposure is driven by freshwater sediment.	

Contributing exposure scenario	
Use descriptors covered	ESVOC SpERC 9.13b.v2
Operational conditions	
Annual amount used in the EU	5,000,000 kg
Minimum emission days per year	365
Emission factor air	5 %
Emission factor water	5 %
Emission factor soil	5 %
Receive Surf. Water (Flow Rate).	18,000 m3/d
Dilution factor river	10
Dilution factor coast	100
Risk Management Measures	
Type of STP	Municipal STP
Assumed sewage treatment plant flow (m3/d)	2,000 m3/d
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Environment
Risk Characterization Ratio (RCR)	0.215645
	Risk from environmental exposure is driven by freshwater sediment.
Maximum amount of safe use	12.7 kg/d
Risk from environmental exposure is driven by freshwater sediment.	

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9. Short title of exposure scenario

Use in/as Formulation
PW; ERC8d; PROC5, PROC8a, PROC8b

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	2,500,000 kg
Minimum emission days per year	365
Emission factor air	100 %
Emission factor water	100 %
Emission factor soil	20 %
Receive Surf. Water (Flow Rate).	18,000 m3/d
Dilution factor river	10
Dilution factor coast	100
Risk Management Measures	
Type of STP	Municipal STP
Assumed sewage treatment plant flow (m3/d)	2,000 m3/d
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Environment
Risk Characterization Ratio (RCR)	0.565667
	Risk from environmental exposure is driven by soil.
Maximum amount of safe use	2.4 kg/d
Risk from environmental exposure is driven by soil.	

Contributing exposure scenario	
Use descriptors covered	PROC5: Mixing or blending in batch processes Use domain: professional
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Physical state	liquid
Vapour pressure of the substance	93 Pa

during use	
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Wear suitable respiratory protection.	Effectiveness: 90 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves., Wear a suitable respiratory protection with adequate effectiveness (90%)., Alternatively:, Reduce concentration to less than 5%	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1.6457 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.071553
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	3.255 mg/m³
Risk Characterization Ratio (RCR)	0.254297
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	3.255 mg/m³
Risk Characterization Ratio (RCR)	0.061184
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Use domain: professional
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Physical state	liquid

Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Wear suitable respiratory protection.	Effectiveness: 90 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves., Wear a suitable respiratory protection with adequate effectiveness (90%)., Alternatively:, Reduce concentration to less than 5%	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1.6457 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.071553
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	8.1375 mg/m³
Risk Characterization Ratio (RCR)	0.635742
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	8.1375 mg/m³
Risk Characterization Ratio (RCR)	0.152961
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

Contributing exposure scenario	
Use descriptors covered	PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities Use domain: professional
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %

Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Indoor
	Assumes activities are at ambient temperature.
Risk Management Measures	
Wear suitable respiratory protection.	Effectiveness: 90 %
Use suitable chemically resistant gloves.	Effectiveness: 80 %
Ensure minimization of manual phases Avoid frequent and direct contact with substance. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Ensure good work practices are implemented. Minimise number of staff exposed.	
Use suitable chemically resistant gloves., Wear a suitable respiratory protection with adequate effectiveness (90%)., Alternatively:, Reduce concentration to less than 5%	
Use suitable eye protection.	
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - dermal, long-term - systemic
Exposure estimate	1.6457 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.071553
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - systemic
Exposure estimate	3.255 mg/m³
Risk Characterization Ratio (RCR)	0.254297
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
	Worker - inhalation, long-term - local
Exposure estimate	3.255 mg/m³
Risk Characterization Ratio (RCR)	0.061184
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Worker
Guidance to Downstream Users	
For scaling see: http://www.ecetoc.org/tra	

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10. Short title of exposure scenario

Use in/as Formulation
C; ERC8a, ERC8d; PC8, PC13

Control of exposure and risk management measures

Contributing exposure scenario	
Use descriptors covered	ESVOC SpERC 8.17.v1: ESVOC SpERC 8.17.v1
Operational conditions	
Annual amount used in the EU	500,000 kg
Minimum emission days per year	365
Emission factor air	95 %
Emission factor water	2.5 %
Emission factor soil	2.5 %
Receive Surf. Water (Flow Rate).	18,000 m3/d
Dilution factor river	10
Dilution factor coast	100
Risk Management Measures	
Type of STP	Municipal STP
Assumed sewage treatment plant flow (m3/d)	2,000 m3/d
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Environment
Risk Characterization Ratio (RCR)	0.184693
	Risk from environmental exposure is driven by freshwater sediment.
Maximum amount of safe use	0.370848 kg/d
Risk from environmental exposure is driven by freshwater sediment.	

Contributing exposure scenario	
Use descriptors covered	ESVOC SpERC 8.17.v1: ESVOC SpERC 8.17.v1
Operational conditions	
Annual amount used in the EU	500,000 kg
Minimum emission days per year	365
Emission factor air	95 %
Emission factor water	2.5 %
Emission factor soil	2.5 %
Receive Surf. Water (Flow Rate).	18,000 m3/d
Dilution factor river	10

Dilution factor coast	100
Risk Management Measures	
Type of STP	no STP
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Environment
Risk Characterization Ratio (RCR)	0.18956
	Risk from environmental exposure is driven by freshwater sediment.
Maximum amount of safe use	0.361327 kg/d
Risk from environmental exposure is driven by freshwater sediment.	

Contributing exposure scenario	
Use descriptors covered	PC8: Biocidal Products.
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	Exposure duration: 1.33 min Relevant for inhalative exposure estimates
Duration and Frequency of activity	Application duration: 1.33 min Relevant for inhalative exposure estimates
Duration and Frequency of activity	6 uses per year
Room size	1 m3
Ventilation rate per hour	0.6
Temperature (Application)	20 °C
body weight	65 kg
Uptake fraction dermal	100 % Relevant for dermal exposure estimates
	Relevant for dermal exposure estimates
	Amount per use 0.01 g Relevant for dermal exposure estimates
Release area	20 cm²
	Release area is constant
Release duration	1.33 min
	Relevant for inhalative exposure estimates
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ConsExpo v4.1, Dermal model: instant application, Uptake model: Uptake fraction
	Consumer - dermal, long-term - systemic
Exposure estimate	0.0006 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.000055

	The calculation is based on the internal chronic dose.
Assessment method	EASY TRA v6.0, ConsExpo v4.1, Inhalation model: exposure to vapour - evaporation
	Consumer - inhalation, long-term - systemic
Exposure estimate	0.0009 mg/m³
Risk Characterization Ratio (RCR)	0.000376
	The exposure calculation is based on the mean concentration on the day of exposure.
Guidance to Downstream Users	
For scaling see: http://www.rivm.nl/en/healthanddisease/productsafety/ConsExpo.jsp	

Contributing exposure scenario	
Use descriptors covered	PC13: Fuels.
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 25 %
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	Exposure duration: 1.33 min Relevant for inhalative exposure estimates
Duration and Frequency of activity	Application duration: 1.33 min Relevant for inhalative exposure estimates
Duration and Frequency of activity	6 uses per year
Room size	1 m3
Ventilation rate per hour	0.6
Temperature (Application)	20 °C
body weight	65 kg
Uptake fraction dermal	100 % Relevant for dermal exposure estimates
	Relevant for dermal exposure estimates
	Amount per use 0.01 g Relevant for dermal exposure estimates
Release area	20 cm²
	Release area is constant
Release duration	1.33 min
	Relevant for inhalative exposure estimates
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ConsExpo v4.1, Dermal model: instant application, Uptake model: Uptake fraction
	Consumer - dermal, long-term - systemic
Exposure estimate	0.0006 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.000055
	The calculation is based on the internal chronic dose.
Assessment method	EASY TRA v6.0, ConsExpo v4.1, Inhalation model: exposure to vapour - evaporation
	Consumer - inhalation, long-term - systemic

Exposure estimate	0.0009 mg/m³
Risk Characterization Ratio (RCR)	0.000376
	The exposure calculation is based on the mean concentration on the day of exposure.
Guidance to Downstream Users	
For scaling see: http://www.rivm.nl/en/healthanddisease/productsafety/ConsExpo.jsp	

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11. Short title of exposure scenario

Use as co-formulant in Plant protection products
PW; ERC8a, ERC8d; PROC8a, PROC11

Control of exposure and risk management measures

Contributing exposure scenario		
Use descriptors covered	ECPA SPERC 8d.2.v2	
Operational conditions		
Annual amount used in the EU	170,000 kg	
Minimum emission days per year	365	
Emission factor air	100 %	
Emission factor water	0 %	
Emission factor soil	0 %	
Receive Surf. Water (Flow Rate).	18,000 m3/d	
Dilution factor river	10	
Dilution factor coast	100	
Risk Management Measures		
Type of STP		Municipal STP
Assumed sewage treatment plant flow (m3/d)		2,000 m3/d
Exposure estimate and reference to its source		
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Environment	
Risk Characterization Ratio (RCR)	0.184301	
	Risk from environmental exposure is driven by freshwater sediment.	
Maximum amount of safe use	0.505426 kg/d	
Risk from environmental exposure is driven by freshwater sediment.		

Contributing exposure scenario	
Use descriptors covered	ECPA SPERC 8d.2.v2

Operational conditions	
Annual amount used in the EU	170,000 kg
Minimum emission days per year	365
Emission factor air	100 %
Emission factor water	0 %
Emission factor soil	0 %
Receive Surf. Water (Flow Rate).	18,000 m3/d
Dilution factor river	10
Dilution factor coast	100
Risk Management Measures	
Type of STP	no STP
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, ECETOC TRA v3.0, Environment
Risk Characterization Ratio (RCR)	0.184301
	Risk from environmental exposure is driven by freshwater sediment.
Maximum amount of safe use	0.505426 kg/d
Risk from environmental exposure is driven by freshwater sediment.	

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Use domain: professional
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Outdoor
	Assumes activities are at ambient temperature.
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, Workplace measurements
	Worker - dermal, long-term - systemic
Exposure estimate	8.57 mg/kg bw/day

Risk Characterization Ratio (RCR)	0.372609
Assessment method	EASY TRA v6.0, Workplace measurements
	Worker - inhalation, long-term - systemic
Exposure estimate	0.7 mg/m³
Risk Characterization Ratio (RCR)	0.054687
Assessment method	EASY TRA v6.0, Workplace measurements
	Worker - inhalation, long-term - local
Exposure estimate	0.7 mg/m³
Risk Characterization Ratio (RCR)	0.013158
Assessment method	EASY TRA v6.0, Workplace measurements

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Use domain: professional
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Outdoor
	Assumes activities are at ambient temperature.
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, Workplace measurements
	Worker - dermal, long-term - systemic
Exposure estimate	4.39 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.19087
Assessment method	EASY TRA v6.0, Workplace measurements
	Worker - inhalation, long-term - systemic
Exposure estimate	0.008 mg/m³
Risk Characterization Ratio (RCR)	0.000625
Assessment method	EASY TRA v6.0, Workplace measurements
	Worker - inhalation, long-term - local
Exposure estimate	0.008 mg/m³
Risk Characterization Ratio (RCR)	0.00015
Assessment method	EASY TRA v6.0, Workplace measurements

Contributing exposure scenario	
Use descriptors covered	PROC11: Non industrial spraying Use domain: professional
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 100 %

Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Outdoor
	Assumes activities are at ambient temperature.
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, Workplace measurements
	Worker - dermal, long-term - systemic
Exposure estimate	2.9 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.126087
Assessment method	EASY TRA v6.0, Workplace measurements
	Worker - inhalation, long-term - systemic
Exposure estimate	0.01 mg/m³
Risk Characterization Ratio (RCR)	0.000781
Assessment method	EASY TRA v6.0, Workplace measurements
	Worker - inhalation, long-term - local
Exposure estimate	0.01 mg/m³
Risk Characterization Ratio (RCR)	0.000188
Assessment method	EASY TRA v6.0, Workplace measurements

Contributing exposure scenario	
Use descriptors covered	PROC11: Non industrial spraying Use domain: professional
Operational conditions	
Concentration of the substance	2-Ethylhexan-1-ol Content: >= 0 % - <= 100 %
Physical state	liquid
Vapour pressure of the substance during use	93 Pa
Duration and Frequency of activity	480 min 5 days per week
Indoor/Outdoor	Outdoor
	Assumes activities are at ambient temperature.
Exposure estimate and reference to its source	
Assessment method	EASY TRA v6.0, Workplace measurements
	Worker - dermal, long-term - systemic
Exposure estimate	0.866 mg/kg bw/day
Risk Characterization Ratio (RCR)	0.037652
Assessment method	EASY TRA v6.0, Workplace measurements
	Worker - inhalation, long-term - systemic
Exposure estimate	5.25 mg/m³
Risk Characterization Ratio (RCR)	0.410156
Assessment method	EASY TRA v6.0, Workplace measurements
	Worker - inhalation, long-term - local
Exposure estimate	5.25 mg/m³
Risk Characterization Ratio (RCR)	0.098684

Assessment method	EASY TRA v6.0, Workplace measurements

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