

# SAFETY DATA SHEET



## GAMIT 53.1

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### SECTION 1: Identification of the hazardous chemical and of the supplier

#### Product identifier

Product name : GAMIT 53.1

Other means of identification : Clomazone + Propanil 200/400 g/L EC

#### Recommended use of the chemical and restrictions on use

Recommended use : Can be used as herbicide only.

Restrictions on use : Use as recommended by the label.

#### Manufacturer or supplier's details

Principal Supplier : FMC Corporation  
2929 WALNUT ST  
PHILADELPHIA PA 19104  
USA  
(215) 299-6000  
SDS-Info@fmc.com

Local registrant : FMC Chemicals (Malaysia) Sdn Bhd  
Level 16, 1 Sentral, Jalan Stesen Sentral 5, Kuala Lumpur Sentral  
50470, Kuala Lumpur, Malaysia  
Phone No: +60320929423  
Fax No: +603-2092 9201

Emergency telephone : For leak, fire, spill or accident emergencies, call:  
CHEMTREC (Asia-Pacific Regional Number): +65 3163 8374

Medical emergency:  
All other countries: +1 651 / 632-6793 (Collect)  
1 703 / 741-5970 (CHEMTREC - International)

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### SECTION 2: Hazards identification

#### Classification of the hazardous chemical

Flammable liquids : Category 3

Acute toxicity (Oral) : Category 4

Acute toxicity (Inhalation) : Category 4

Carcinogenicity : Category 2

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Hazardous to the aquatic environment - acute hazard : Category 1

Hazardous to the aquatic environment - chronic hazard : Category 1

### Label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H226 Flammable liquid and vapor.  
H302 + H332 Harmful if swallowed or if inhaled.  
H351 Suspected of causing cancer.  
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P261 Avoid breathing mist or vapors.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ eye protection/ face protection.  
P281 Use personal protective equipment as required.

### Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.  
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.  
P391 Collect spillage.

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### Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.

### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards which do not result in classification

None known.

## SECTION 3: Composition and information of the ingredients of the hazardous chemical

Substance / Mixture : Mixture

### Components

Chemical name	CAS-No.	Concentration (% w/w)
propanil (ISO)	709-98-8	35.4
Clomazone	81777-89-1	17.7
cyclohexanone	108-94-1	$\geq 10$ -< 30
Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified	64742-95-6	$\geq 10$ -< 20
dodecylbenzenesulphonic acid, compound with 2,2'-iminodiethanol (1:1)	26545-53-9	$\geq 10$ -< 30
Ethoxylated oleyl amine, dodecylbenzene-sulphonic salt	66467-20-7	$\geq 2.5$ -< 3
ethylene glycol monobutyl ether	111-76-2	$\geq 1$ -< 3

## SECTION 4: First aid measures

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Take victim immediately to hospital.

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Most important symptoms and effects, both acute and delayed : Harmful if swallowed or if inhaled.  
Suspected of causing cancer.

Notes to physician : Treat symptomatically.

**SECTION 5: Firefighting measures****Extinguishing media**

Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical  
Water spray

Unsuitable extinguishing media : High volume water jet

**Physicochemical hazards arising from the chemical**

Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : Thermal decomposition can lead to release of irritating gases and vapors.  
Nitrogen oxides (NO<sub>x</sub>)  
Carbon oxides  
Chlorine compounds

**Special protective equipment and precautions for fire-fighters**

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

Specific extinguishing methods : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
For safety reasons in case of fire, cans should be stored separately in closed containments.  
Use a water spray to cool fully closed containers.

Hazchem Code : •3Y

**SECTION 6: Accidental release measures**

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Remove all sources of ignition.  
Evacuate personnel to safe areas.  
Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Environmental precautions : Prevent product from entering drains.

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Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

### SECTION 7: Handling and storage

#### Handling

##### Precautions for safe handling

Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Keep away from open flames, hot surfaces and sources of ignition.

Advice on safe handling : Avoid formation of aerosol. Do not breathe vapors/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations.

#### Storage

##### Conditions for safe storage, including any incompatibilities

Conditions for safe storage : No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

### SECTION 8: Exposure controls and personal protection

#### Control parameters

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Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
cyclohexanone	108-94-1	TWA	25 ppm 100 mg/m <sup>3</sup>	MY PEL
Further information: Skin				
		TWA	20 ppm	ACGIH
		STEL	50 ppm	ACGIH
ethylene glycol monobutyl ether	111-76-2	TWA	20 ppm 96.7 mg/m <sup>3</sup>	MY PEL
Further information: Skin				
		TWA	20 ppm	ACGIH

**Biological occupational exposure limits**

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
cyclohexanone	108-94-1	1,2-Cyclohexanediol	Urine	End of shift at end of work-week	80 mg/l	ACGIH BEI
		Cyclohexanol	Urine	End of shift (As soon as possible after exposure ceases)	8 mg/l	ACGIH BEI
ethylene glycol monobutyl ether	111-76-2	Butoxyacetic acid (BAA)	Urine	End of shift (As soon as possible after exposure ceases)	200 mg/g creatinine	ACGIH BEI

**Individual protection measures, such as personal protective equipment**

- Eye/face protection : Eye wash bottle with pure water  
Tightly fitting safety goggles
- Skin protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Hand protection  
Material : Wear chemical resistant gloves, such as barrier laminate, butyl rubber or nitrile rubber.
- Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Respiratory protection : In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

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Hygiene measures : When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

### SECTION 9: Physical and chemical properties

Physical state : liquid

Form : viscous

Color : dark brown

Odor : mild, aromatic

pH : 5.5

Melting point/freezing point : not determined

Boiling point/boiling range : not determined

Flash point : 60 °C

Self-ignition : No data available

Density : 1.13 g/cm<sup>3</sup> (20 °C)

Bulk density : 9.41 lb/gal

Solubility(ies)  
Water solubility : emulsifiable

Partition coefficient: n-octanol/water : Not applicable

Viscosity  
Viscosity, kinematic : not determined

Explosive properties : Not explosive

Oxidizing properties : The product is not oxidizing.

### SECTION 10: Stability and reactivity

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : No decomposition if stored and applied as directed.

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Possibility of hazardous reactions	: No decomposition if stored and applied as directed. Vapors may form explosive mixture with air.
Conditions to avoid	: Heat, flames and sparks.
Incompatible materials	: Strong acids Strong oxidizing agents Strong bases
Hazardous decomposition products	: Stable under recommended storage conditions.

### SECTION 11: Toxicological information

Information on likely routes of exposure : None known.

#### Acute toxicity

Harmful if swallowed or if inhaled.

#### Product:

Acute oral toxicity	: LD50 (Rat, male and female): 1,087 mg/kg Method: OECD Test Guideline 401 Remarks: Based on data from similar materials
Acute inhalation toxicity	: LC50 (Rat, male and female): 3.77 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Remarks: Based on data from similar materials
Acute dermal toxicity	: LD50 (Rat, male and female): > 2,000 mg/kg Method: OECD Test Guideline 402 Assessment: The substance or mixture has no acute dermal toxicity Remarks: Based on data from similar materials

#### Components:

##### **propanil (ISO):**

Acute oral toxicity	: LD50 (Rat): 2,500 mg/kg
Acute inhalation toxicity	: LC50 (Rat): > 1.28 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	: LD50 (Rat): > 2,500 mg/kg Method: OECD Test Guideline 402 Assessment: The substance or mixture has no acute dermal toxicity



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**Clomazone:**

- Acute oral toxicity : LD50 (Rat, female): 768 mg/kg  
Method: OECD Test Guideline 425
- LD50 (Rat, female): 300 - 2,000 mg/kg  
Method: OECD Test Guideline 423  
Target Organs: Liver  
Assessment: The component/mixture is moderately toxic after single ingestion.
- LD50 (Rat, female): 1,564 mg/kg  
Symptoms: ataxia
- Acute inhalation toxicity : LC50 (Rat): > 5.02 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403
- LC50 (Rat, female): 4.23 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: EPA OPP 81 - 3  
Symptoms: Breathing difficulties
- Acute dermal toxicity : LD50 (Rabbit, male and female): > 2,000 mg/kg  
Method: US EPA Test Guideline OPP 81-2  
Assessment: The component/mixture is minimally toxic after single contact with skin.  
Remarks: no mortality

**cyclohexanone:**

- Acute oral toxicity : LD50 (Rat): 1,890 mg/kg
- Acute inhalation toxicity : LC50 (Rat, male and female): > 6.2 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor  
Assessment: The component/mixture is moderately toxic after short term inhalation.

**Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:**

- Acute oral toxicity : LD50 (Rat, female): 3,492 mg/kg  
Method: OECD Test Guideline 401
- LD50 (Rat, male): 6,984 mg/kg  
Method: OECD Test Guideline 401
- Acute inhalation toxicity : LC50 (Rat, male and female): > 6.193 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor  
Assessment: The substance or mixture has no acute inhalation toxicity  
Remarks: no mortality

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Acute dermal toxicity : LD50 (Rabbit, male and female): > 3,160 mg/kg  
Assessment: The component/mixture is minimally toxic after single contact with skin.

**dodecylbenzenesulphonic acid, compound with 2,2'-iminodiethanol (1:1):**

Acute oral toxicity : LD50 (Rat): 775 mg/kg  
Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

**Ethoxylated oleyl amine, dodecylbenzenesulphonic salt:**

Acute oral toxicity : LD50 (Rat, male and female): 1,570 mg/kg  
Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rabbit, male): 2,504 mg/kg  
Method: OECD Test Guideline 402  
  
LD50 (Rabbit, female): 2,881 mg/kg  
Method: OECD Test Guideline 402

**ethylene glycol monobutyl ether:**

Acute oral toxicity : LD50 (Rat, male and female): 1,414 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Guinea pig, male and female): > 2.25 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor  
Method: OECD Test Guideline 433  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Guinea pig, male and female): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
Assessment: The substance or mixture has no acute dermal toxicity

**Skin corrosion/irritation**

Not classified based on available information.

**Product:**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation  
Remarks : Minimal effects that do not meet the threshold for classification.  
Based on data from similar materials

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**Components:****propanil (ISO):**

Species	: Rabbit
Result	: No skin irritation

**Clomazone:**

Species	: Rabbit
Assessment	: Not classified as irritant
Method	: OECD Test Guideline 404
Result	: slight or no skin irritation.

**cyclohexanone:**

Species	: Rabbit
Method	: OECD Test Guideline 404
Result	: Skin irritation

Remarks	: Extremely corrosive and destructive to tissue.
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**Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:**

Species	: Rabbit
Method	: OECD Test Guideline 404
Result	: Mild skin irritation

**dodecylbenzenesulphonic acid, compound with 2,2'-iminodiethanol (1:1):**

Species	: Rabbit
Method	: OECD Test Guideline 404
Result	: Skin irritation
Remarks	: Based on data from similar materials

**Ethoxylated oleyl amine, dodecylbenzenesulphonic salt:**

Species	: reconstructed human epidermis (RhE)
Method	: OECD Test Guideline 431
Result	: Skin irritation

**ethylene glycol monobutyl ether:**

Species	: Rabbit
Method	: Regulation (EC) No. 440/2008, Annex, B.4
Result	: Skin irritation

**Serious eye damage/eye irritation**

Not classified based on available information.

**Product:**

Species	: Rabbit
Result	: No eye irritation
Method	: OECD Test Guideline 405
Remarks	: Minimal effects that do not meet the threshold for classification. Based on data from similar materials

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**Components:****propanil (ISO):**

Species	:	Rabbit
Result	:	No eye irritation

**Clomazone:**

Species	:	Rabbit
Result	:	Slight or no eye irritation
Assessment	:	Not classified as irritant
Method	:	OECD Test Guideline 405
GLP	:	yes

**cyclohexanone:**

Result	:	Irreversible effects on the eye
Method	:	Hen egg chorioallantoic membrane bioassay

Remarks	:	May cause irreversible eye damage.
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**Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:**

Species	:	Rabbit
Result	:	No eye irritation

**dodecylbenzenesulphonic acid, compound with 2,2'-iminodiethanol (1:1):**

Species	:	Rabbit
Result	:	Irreversible effects on the eye
Method	:	OECD Test Guideline 405
Remarks	:	Based on data from similar materials

**Ethoxylated oleyl amine, dodecylbenzenesulphonic salt:**

Species	:	Rabbit
Result	:	Irreversible effects on the eye
Method	:	OECD Test Guideline 405

**ethylene glycol monobutyl ether:**

Species	:	Rabbit
Result	:	Irritation to eyes, reversing within 21 days
Method	:	OECD Test Guideline 405

**Respiratory or skin sensitization****Skin sensitization**

Not classified based on available information.

**Respiratory sensitization**

Not classified based on available information.

**Product:**

Test Type	:	Magnussen-Kligman test
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Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	Not a skin sensitizer.
Remarks	:	Based on data from similar materials

**Components:****propanil (ISO):**

Species	:	Guinea pig
Result	:	Not a skin sensitizer.

**Clomazone:**

Species	:	Guinea pig
Assessment	:	Not a skin sensitizer.
Method	:	US EPA Test Guideline OPP 81-6
Result	:	Not a skin sensitizer.

**Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:**

Test Type	:	Maximization Test
Routes of exposure	:	Skin contact
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	Not a skin sensitizer.

**dodecylbenzenesulphonic acid, compound with 2,2'-iminodiethanol (1:1):**

Test Type	:	Buehler Test
Species	:	Guinea pig
Result	:	Not a skin sensitizer.
Remarks	:	Based on data from similar materials

**Ethoxylated oleyl amine, dodecylbenzenesulphonic salt:**

Test Type	:	Maximization Test
Routes of exposure	:	Skin contact
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	Not a skin sensitizer.
Remarks	:	Based on data from similar materials

**ethylene glycol monobutyl ether:**

Test Type	:	Maximization Test
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	Does not cause skin sensitization.

**Germ cell mutagenicity**

Not classified based on available information.

**Components:****Clomazone:**

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Genotoxicity in vitro : Test Type: Ames test  
 Test system: Salmonella typhimurium  
 Metabolic activation: with and without metabolic activation  
 Method: OECD Test Guideline 471  
 Result: negative  
 GLP: yes

Test system: Chinese hamster ovary cells  
 Metabolic activation: with and without metabolic activation  
 Result: negative

Genotoxicity in vivo : Test Type: Cytogenetic assay  
 Species: Rat  
 Method: OECD Test Guideline 473  
 Result: negative

**cyclohexanone:**

Genotoxicity in vitro : Test Type: in vitro DNA damage and/or repair study  
 Test system: human diploid fibroblasts  
 Method: OECD Test Guideline 482  
 Result: negative

Test Type: reverse mutation assay  
 Method: OECD Test Guideline 471  
 Result: negative

Test Type: In vitro mammalian cell gene mutation test  
 Method: OECD Test Guideline 476  
 Result: negative

Genotoxicity in vivo : Test Type: chromosome aberration assay  
 Species: Rat (male and female)  
 Application Route: inhalation (vapor)  
 Method: OECD Test Guideline 475  
 Result: negative

Test Type: dominant lethal test  
 Species: Rat (male and female)  
 Application Route: inhalation (vapor)  
 Method: OECD Test Guideline 478  
 Result: negative

Species: Drosophila melanogaster (vinegar fly) (male and female)  
 Application Route: Inhalation  
 Method: OECD Test Guideline 477  
 Result: negative

Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

**Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:**

Genotoxicity in vitro : Test Type: in vitro DNA damage and/or repair study  
 Test system: Chinese hamster ovary cells

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Metabolic activation: with and without metabolic activation  
Result: negative

Test Type: reverse mutation assay  
Metabolic activation: with and without metabolic activation  
Result: negative

Genotoxicity in vivo : Test Type: Bone marrow chromosome aberration.  
Species: Rat (male and female)  
Application Route: Inhalation  
Result: negative

**dodecylbenzenesulphonic acid, compound with 2,2'-iminodiethanol (1:1):**

Genotoxicity in vitro : Test Type: Ames test  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative  
Remarks: Based on data from similar materials

Genotoxicity in vivo : Test Type: Micronucleus test  
Species: Mouse  
Application Route: Intraperitoneal injection  
Result: negative  
Remarks: Based on data from similar materials

**Ethoxylated oleyl amine, dodecylbenzenesulphonic salt:**

Genotoxicity in vitro : Test Type: reverse mutation assay  
Method: Mutagenicity (Salmonella typhimurium - reverse mutation assay)  
Result: negative  
Remarks: Based on data from similar materials

Test Type: gene mutation test  
Test system: Chinese hamster ovary cells  
Result: negative  
Remarks: Based on data from similar materials

Genotoxicity in vivo : Test Type: Rodent Dominant Lethal Assay  
Species: Mouse (male)  
Result: negative  
Remarks: Based on data from similar materials

**ethylene glycol monobutyl ether:**

Genotoxicity in vitro : Test Type: reverse mutation assay  
Result: negative

Test Type: Chromosome aberration test in vitro  
Result: negative

Test Type: gene mutation test  
Result: negative

Genotoxicity in vivo : Test Type: In vivo micronucleus test

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Species: Rat (male)  
Application Route: Intraperitoneal injection  
Result: negative

Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

### **Carcinogenicity**

Suspected of causing cancer.

#### **Components:**

##### **Clomazone:**

Species : Rat, male and female  
Application Route : Oral  
Exposure time : 2 Years  
Result : negative

Species : Mouse  
Method : OECD Test Guideline 453  
Result : negative

##### **cyclohexanone:**

Species : Rat  
Application Route : Oral  
Exposure time : 104 weeks  
Dose : (462 and 910 mg/kg/d)  
LOAEL : 3,300 ppm  
Result : positive

Carcinogenicity - Assessment : Weight of evidence does not support classification as a carcinogen

##### **Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:**

Carcinogenicity - Assessment : Limited evidence of carcinogenicity in animal studies

##### **ethylene glycol monobutyl ether:**

Species : Mouse, male  
Application Route : inhalation (vapor)  
Exposure time : 2 Years  
Dose : 0, 62.5, 125, 250 ppm  
NOAEC : 125 ppm  
LOAEC : 250 ppm  
Result : negative

Species : Mouse, female  
Application Route : inhalation (vapor)  
Exposure time : 2 Years  
Dose : 0, 62.5, 125, 250 ppm  
NOAEC : 125 ppm  
LOAEC : 250 ppm



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Result : negative

Carcinogenicity - Assessment : Weight of evidence does not support classification as a carcinogen

**Reproductive toxicity**

Not classified based on available information.

**Components:****Clomazone:**

Effects on fertility : Test Type: Two-generation study  
Species: Rat, male and female  
Application Route: Oral  
Result: negative

Effects on fetal development : Test Type: Embryo-fetal development  
Species: Rat  
Application Route: Oral  
Symptoms: Maternal effects.  
Result: negative

Test Type: Embryo-fetal development  
Species: Rabbit  
Application Route: Oral  
Symptoms: Maternal effects.  
Result: negative

**cyclohexanone:**

Effects on fertility : Test Type: Two-generation study  
Species: Rat  
Application Route: inhalation (vapor)  
Dose: 1.02, 2.04, 4.1 mg/l  
General Toxicity Parent: NOAEC: 4.1 mg/l  
General Toxicity F1: NOAEC: 2.04 mg/l  
General Toxicity F2: NOAEC: 2.04 mg/l  
Result: negative

Effects on fetal development : Species: Rabbit  
Application Route: Oral  
Dose: 50, 250, 500 mg/kg b.w.  
General Toxicity Maternal: NOAEL: 250 mg/kg body weight  
Teratogenicity: NOAEL: 500 mg/kg body weight  
Method: OECD Test Guideline 414  
Result: No teratogenic effects.

Reproductive toxicity - Assessment : Animal testing did not show any effects on fertility.

**Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:**

Effects on fertility : Test Type: Three-generation study  
Species: Rat  
Application Route: inhalation (vapor)

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Fertility: NOAEC Mating/Fertility: 7.5 mg/l  
Result: negative  
Remarks: Based on data from similar materials

Effects on fetal development : Species: Mouse  
Application Route: inhalation (vapor)  
General Toxicity Maternal: LOAEC: 500 part per million  
Symptoms: Maternal effects.

**ethylene glycol monobutyl ether:**

Effects on fertility : Species: Mouse, male and female  
Application Route: Oral  
Dose: 720, 1340, 2050 mg/kg bw/day  
General Toxicity Parent: LOAEL: 720 mg/kg bw/day  
General Toxicity F1: LOAEL: 1,340 mg/kg bw/day  
General Toxicity F2: LOAEL: 1,340 mg/kg bw/day  
Result: negative

Effects on fetal development : Test Type: reproductive and developmental toxicity study  
Species: Rat  
Application Route: Oral  
Dose: 0, 30, 100, 200 300, mg/kgbw  
General Toxicity Maternal: LOAEL: 100 mg/kg bw/day  
Embryo-fetal toxicity.: LOAEC F1: 300 mg/kg bw/day  
Result: negative

Reproductive toxicity - Assessment : Weight of evidence does not support classification for reproductive toxicity

**STOT-single exposure**

Not classified based on available information.

**Components:****Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:**

Assessment : May cause respiratory irritation.  
May cause drowsiness or dizziness.

**ethylene glycol monobutyl ether:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

**STOT-repeated exposure**

Not classified based on available information.

**Components:****cyclohexanone:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

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**Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Repeated dose toxicity****Components:****Clomazone:**

Species : Rat, male and female  
NOEL : 1000 ppm  
Application Route : Oral  
Exposure time : 90 days  
Symptoms : increased liver weight

Species : Rat  
LOAEL : 400 mg/kg  
Exposure time : 90 d  
Method : OECD Test Guideline 408  
Symptoms : Liver effects

**cyclohexanone:**

Species : Rat, male and female  
NOAEL : 143 mg/kg  
Application Route : Oral  
Exposure time : 90 d  
Dose : 40, 143 and 407 mg/kg b.w.  
Method : OECD Test Guideline 408

**Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:**

Species : Rat, male and female  
NOAEC : 0.8 - 0.9 mg/l  
Application Route : Inhalation  
Test atmosphere : vapor  
Remarks : Based on data from similar materials

Species : Rat, male  
NOAEL : 600 mg/kg  
Application Route : Oral  
Remarks : Based on data from similar materials

**dodecylbenzenesulphonic acid, compound with 2,2'-iminodiethanol (1:1):**

Species : Rat, male and female  
NOAEL : 100 mg/kg  
LOAEL : 200 mg/kg  
Application Route : Oral - gavage  
Exposure time : 43 days  
Method : OECD Test Guideline 422  
Remarks : Based on data from similar materials

**Ethoxylated oleyl amine, dodecylbenzenesulphonic salt:**

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Species	: Rat, male and female
NOAEL	: 300 mg/kg bw/day
Application Route	: Oral - feed
Exposure time	: >75 days
Remarks	: Based on data from similar materials

### **ethylene glycol monobutyl ether:**

Species	: Rat, male
NOAEL	: < 69 mg/kg bw/day
Application Route	: Oral
Exposure time	: 90 d

Species	: Rat, male and female
LOAEL	: 31 ppm
Application Route	: Inhalation
Test atmosphere	: vapor
Exposure time	: 2 years

Species	: Rabbit, male and female
NOAEL	: >150 mg/kg bw/day
Exposure time	: 90 d

### **Aspiration toxicity**

Not classified based on available information.

#### **Product:**

No aspiration toxicity classification

#### **Components:**

##### **Clomazone:**

The substance does not have properties associated with aspiration hazard potential.

##### **Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:**

May be fatal if swallowed and enters airways.

### **Further information**

#### **Product:**

Remarks	: Solvents may degrease the skin.
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#### **Components:**

##### **Clomazone:**

Remarks	: When fed to animals, clomazone caused decreased activity, tearing eyes, bleeding from the nose and incoordination.
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**SECTION 12: Ecological information****Ecotoxicity****Components:****propanil (ISO):**

Toxicity to fish	:	LC50 (Fish): 8 - 11 mg/l Exposure time: 48 h
Toxicity to daphnia and other aquatic invertebrates	:	LC50 (Daphnia magna (Water flea)): 4.8 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 (Scenedesmus capricornutum (fresh water algae)): 0.11 mg/l Exposure time: 72 h
M-Factor (Acute aquatic toxicity)	:	1
M-Factor (Chronic aquatic toxicity)	:	1
Toxicity to soil dwelling organisms	:	LC50 (Eisenia fetida (earthworms)): 734 milligram per kilogram Exposure time: 14 d
Toxicity to terrestrial organisms	:	(Colinus virginianus (Bobwhite quail)): 196 mg/kg  (Anas platyrhynchos (Mallard duck)): 375 mg/kg  (Birds): 2,861 - 5,627 ppm  (Apis mellifera (bees)): 240 µg/bee

**Clomazone:**

Toxicity to fish	:	LC50 (Menidia beryllina (Silverside)): 6.3 mg/l Exposure time: 96 h  LC50 (Oncorhynchus mykiss (rainbow trout)): > 45 mg/l Exposure time: 96 h  LC50 (Lepomis macrochirus (Bluegill sunfish)): 34 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 40.8 mg/l Exposure time: 48 h  EC50 (Daphnia): 5.2 mg/l Exposure time: 48 h  EC50 (Daphnia magna (Water flea)): 12.7 mg/l Exposure time: 48 h

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	Test Type: static test
	EC50 (Mysidopsis bahia (opossum shrimp)): 9.8 mg/l Exposure time: 48 h
	LC50 (Americamysis bahia (mysid shrimp)): 0.57 mg/l Exposure time: 96 h Test Type: flow-through test
Toxicity to algae/aquatic plants	: EbC50 (Selenastrum capricornutum (green algae)): 2 mg/l Exposure time: 72 h
	ErC50 (Selenastrum capricornutum (green algae)): 4.1 mg/l Exposure time: 72 h
	ErC50 (Navicula pelliculosa (Freshwater diatom)): 0.136 mg/l Exposure time: 120 h
	EC50 (Lemna gibba (duckweed)): 13.9 mg/l Exposure time: 7 d
	NOEC (Navicula pelliculosa (Freshwater diatom)): 0.05 mg/l End point: Growth rate Exposure time: 120 h
	NOEC (algae): 0.05 mg/l Exposure time: 96 h
	EC50 (Lemna gibba (duckweed)): 13.9 mg/l Exposure time: 7 d
	EC50 (algae): 0.136 mg/l Exposure time: 72 h
Toxicity to fish (Chronic toxicity)	: NOEC (Oncorhynchus mykiss (rainbow trout)): 2.3 mg/l Exposure time: 21 d Test Type: flow-through test
	NOEC (Oncorhynchus mykiss (rainbow trout)): 2.29 mg/l Exposure time: 57 d
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC (Daphnia magna (Water flea)): 2.2 mg/l Exposure time: 21 d
	NOEC (Americamysis bahia (mysid shrimp)): 0.032 mg/l Exposure time: 28 d Test Type: flow-through test
	NOEC (Daphnia magna (Water flea)): 1.25 mg/l Exposure time: 21 d Test Type: static test
Toxicity to soil dwelling organisms	: LC50 (Eisenia fetida (earthworms)): 156 mg/kg Exposure time: 14 d

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Toxicity to terrestrial organisms : LD50 (Anas platyrhynchos (Mallard duck)): > 2,510 mg/kg

LC50 (Anas platyrhynchos (Mallard duck)): > 5620 ppm  
Remarks: Dietary

LD50 (Coturnix japonica (Japanese quail)): > 2000

NOEC (Colinus virginianus): 94 mg/kg  
End point: Reproduction Test

LC50 (Apis mellifera (bees)): > 85.29

LC50 (Apis mellifera (bees)): > 100  
Remarks: Contact

### **cyclohexanone:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 527 - 732 mg/l  
Exposure time: 96 h  
Test Type: flow-through test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
Remarks: Based on data from similar materials

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
Remarks: Based on data from similar materials

NOEC (Desmodesmus subspicatus (green algae)): > 100 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
Remarks: Based on data from similar materials

Toxicity to microorganisms : EC50 (activated sludge): > 1,000 mg/l  
Exposure time: 30 min  
Method: OECD Test Guideline 209

### **Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:**

Toxicity to fish : NOEC (Oncorhynchus mykiss (rainbow trout)): 4.5 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Method: OECD Test Guideline 203  
Remarks: Based on data from similar materials

LL50 (Pimephales promelas (fathead minnow)): 8.2 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Remarks: Based on data from similar materials

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- Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): 4.5 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202  
Remarks: Based on data from similar materials
- Toxicity to algae/aquatic plants : EL50 (Pseudokirchneriella subcapitata (microalgae)): 3.1 mg/l  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201  
Remarks: Based on data from similar materials
- Toxicity to fish (Chronic toxicity) : NOELR (Pimephales promelas (fathead minnow)): 2.6 mg/l  
Exposure time: 14 d  
Method: OECD Test Guideline 204  
Remarks: Based on data from similar materials
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOELR (Daphnia magna (Water flea)): 2.6 mg/l  
Exposure time: 21 d  
Method: OECD Test Guideline 211
- Toxicity to microorganisms : EC50 (Tetrahymena pyriformis): 15.41 mg/l  
Exposure time: 40 h  
Test Type: Growth inhibition  
Remarks: The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (CAESAR models), etc.

### Ecotoxicology Assessment

- Acute aquatic toxicity : Toxic to aquatic life.
- Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

### dodecylbenzenesulphonic acid, compound with 2,2'-iminodiethanol (1:1):

- Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 190 mg/l  
Exposure time: 96 h  
Remarks: Based on data from similar materials

### Ethoxylated oleyl amine, dodecylbenzenesulphonic salt:

- Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 1.67 mg/l  
Exposure time: 96 h  
Test Type: static test  
Remarks: Based on data from similar materials
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 2.9 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202  
Remarks: Based on data from similar materials
- Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 16.8 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201



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Remarks: Based on data from similar materials

NOEC (Desmodesmus subspicatus (green algae)): 5.7 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 201

Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): 0.23 mg/l  
Exposure time: 196 d  
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 2.9 mg/l  
Exposure time: 32 d  
Method: OECD Test Guideline 211  
Remarks: Based on data from similar materials

Toxicity to soil dwelling organisms : LC50 (Eisenia fetida (earthworms)): > 1,000 mg/kg  
Exposure time: 14 d

NOEC (Eisenia fetida (earthworms)): 250 mg/kg  
Exposure time: 14 d

### ethylene glycol monobutyl ether:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 1,474 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1,550 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 623 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

NOEC (Pseudokirchneriella subcapitata (green algae)): 62.5 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

Toxicity to fish (Chronic toxicity) : NOEC (Danio rerio (zebra fish)): > 100 mg/l  
Exposure time: 21 d  
Method: OECD Test Guideline 204

NOEC (Oryzias latipes (Orange-red killifish)): > 100 mg/l  
Exposure time: 14 d  
Method: OECD Test Guideline 204

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 100 mg/l  
Exposure time: 21 d  
Method: OECD Test Guideline 211

Toxicity to microorganisms : (Pseudomonas putida): 700 mg/l  
Exposure time: 16 h

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(Protozoa): 73 mg/l  
Exposure time: 72 h

(Protozoa): 463 mg/l  
Exposure time: 48 h  
Test Type: Cell multiplication inhibition test

**Persistence and degradability****Components:****Clomazone:**

Biodegradability : Result: Not readily biodegradable.  
Remarks: Substance/product is moderately persistent in the environment.  
Primary degradation half-lives vary with circumstances, from a few weeks to a few months in aerobic soil and water.

**cyclohexanone:**

Biodegradability : Result: Readily biodegradable.  
Method: OECD Test Guideline 301F

**Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:**

Biodegradability : Concentration: 49.2 mg/l  
Result: Inherently biodegradable.  
Biodegradation: 77.05 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301F

**dodecylbenzenesulphonic acid, compound with 2,2'-iminodiethanol (1:1):**

Biodegradability : Result: Readily biodegradable.  
Remarks: Based on data from similar materials

**Ethoxylated oleyl amine, dodecylbenzenesulphonic salt:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 85 %  
Exposure time: 29 d  
Method: OECD Test Guideline 301B

**ethylene glycol monobutyl ether:**

Biodegradability : Inoculum: activated sludge  
Result: Readily biodegradable.  
Biodegradation: 90.4 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B

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**Bioaccumulative potential****Components:****Clomazone:**

Bioaccumulation	:	Bioconcentration factor (BCF): 27 - 40 Remarks: Low potential for bioaccumulation
Partition coefficient: n-octanol/water	:	log Pow: 2.61 - 2.69 (20 - 21 °C) pH: 4 - 10 Method: Regulation (EC) No. 440/2008, Annex, A.8

**cyclohexanone:**

Partition coefficient: n-octanol/water	:	log Pow: 0.86 (25 °C)
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**dodecylbenzenesulphonic acid, compound with 2,2'-iminodiethanol (1:1):**

Partition coefficient: n-octanol/water	:	log Pow: 4.28
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**Ethoxylated oleyl amine, dodecylbenzenesulphonic salt:**

Bioaccumulation	:	Bioconcentration factor (BCF): 2 - 1,000 Method: OECD Test Guideline 305E
Partition coefficient: n-octanol/water	:	log Pow: 1.51

**ethylene glycol monobutyl ether:**

Partition coefficient: n-octanol/water	:	log Pow: 0.81 (25 °C) pH: 7
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**Mobility in soil****Components:****Clomazone:**

Distribution among environmental compartments	:	Koc: 300 ml/g, log Koc: 2.47 Remarks: Moderately mobile in soils
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**Other adverse effects****Product:**

Additional ecological information	:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.
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**SECTION 13: Disposal information****Disposal methods**

Waste from residues	:	The product should not be allowed to enter drains, water
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courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

### SECTION 14: Transport information

#### International Regulations

##### UNRTDG

UN number : UN 1993  
Proper shipping name : FLAMMABLE LIQUID, N.O.S.  
(Cyclohexanone, Clomazone, Propanil)  
Class : 3  
Packing group : III  
Labels : 3

##### IATA-DGR

UN/ID No. : UN 1993  
Proper shipping name : Flammable liquid, n.o.s.  
(Cyclohexanone, Clomazone, Propanil)  
Class : 3  
Packing group : III  
Labels : Flammable Liquids  
Packing instruction (cargo aircraft) : 366  
Packing instruction (passenger aircraft) : 355

##### IMDG-Code

UN number : UN 1993  
Proper shipping name : FLAMMABLE LIQUID, N.O.S.  
(Cyclohexanone, Clomazone, Propanil)  
Class : 3  
Packing group : III  
Labels : 3  
EmS Code : F-E, S-E  
Marine pollutant : yes

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Hazchem Code : •3Y

#### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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### SECTION 15: Regulatory information

#### Safety, health, and environmental regulations specific for the hazardous chemical

Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013.

Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2000.

#### The ingredients of this product are reported in the following inventories:

TCSI	: Not in compliance with the inventory
TSCA	: Product contains substance(s) not listed on TSCA inventory.
AIIC	: Not in compliance with the inventory
DSL	: This product contains the following components that are not on the Canadian DSL nor NDSL.  2,(2-chlorobenzyl)-4,4-dimethyl-1,2-oxazolidin-3-on Ethoxylated oleyl amine, dodecylbenzenesulphonic salt propanil (ISO)
ENCS	: Not in compliance with the inventory
ISHL	: Not in compliance with the inventory
KECI	: Not in compliance with the inventory
PICCS	: Not in compliance with the inventory
IECSC	: Not in compliance with the inventory
NZIoC	: Not in compliance with the inventory
TECI	: Not in compliance with the inventory

### SECTION 16: Other information

Revision Date	: 29.01.2024
Date format	: dd.mm.yyyy

#### Full text of other abbreviations

ACGIH	: USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI	: ACGIH - Biological Exposure Indices (BEI)
MY PEL	: Malaysia. Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2000.
ACGIH / TWA	: 8-hour, time-weighted average
ACGIH / STEL	: Short-term exposure limit

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MY PEL / TWA : Eight-hour time-weighted average airborne concentration

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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