

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## Clomazone 480 g/L EC v2

Version	Revision Date:	SDS Number:	Date of last issue: 30.03.2023
1.3	27.03.2024	50000507	Date of first issue: 17.06.2022

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

#### 1.1 Product identifier

**Product name** Clomazone 480 g/L EC v2

#### Other means of identification

**Product code** 50000507

**Unique Formula Identifier (UFI)** : 2GH0-H06Q-P00E-2AUG

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

**Use of the Substance/Mixture** : Herbicide

**Recommended restrictions on use** : Use as recommended by the label.  
For professional users only.

#### 1.3 Details of the supplier of the safety data sheet

**Supplier Address** FMC Agricultural Solutions A/S  
Thyborønvej 78  
DK-7673 Harbøre  
Denmark

Telephone: +45 9690 9690  
Telefax: +45 9690 9691  
E-mail address: SDS-Info@fmc.com .

#### 1.4 Emergency telephone number

For leak, fire, spill or accident emergencies, call:  
Denmark: +45-69918573 (CHEMTREC)

Medical emergency:  
Denmark: +45 82 12 12 12

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008)**

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Flammable liquids, Category 3	H226: Flammable liquid and vapour.
Skin corrosion, Sub-category 1B	H314: Causes severe skin burns and eye damage.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Specific target organ toxicity - single exposure, Category 3, Respiratory system	H335: May cause respiratory irritation.
Specific target organ toxicity - single exposure, Category 3, Central nervous system	H336: May cause drowsiness or dizziness.
Aspiration hazard, Category 1	H304: May be fatal if swallowed and enters airways.
Short-term (acute) aquatic hazard, Category 1	H400: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard, Category 1	H410: Very toxic to aquatic life with long lasting effects.

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements :  
H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H314 Causes severe skin burns and eye damage.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

#### **Response:**

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

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P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

### Disposal:

P501 Dispose of contents/container as hazardous waste in accordance with local regulations.

### Hazardous components which must be listed on the label:

Aromatic hydrocarbons, C9; Alkylbenzenes; C9-aromatics  
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts  
Alcohols, C11-14-iso-, C13-rich, ethoxylated  
2-methylpropan-1-ol

### Additional Labelling

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

For special phrases (SP) and safety intervals, consult the label.

## 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
clomazone (ISO)	81777-89-1 613-340-00-5	Acute Tox. 4; H302 Acute Tox. 4; H332 Aquatic Acute 1;	>= 30 - < 50

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		H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1  Acute toxicity estimate  Acute oral toxicity: 768 mg/kg Acute inhalation toxicity (dust/mist): 4,85 mg/l	
Aromatic hydrocarbons, C9; Alkylbenzenes; C9-aromatics	128601-23-0	Flam. Liq. 3; H226 STOT SE 3; H335 (Respiratory system) STOT SE 3; H336 (Central nervous system) Asp. Tox. 1; H304 Aquatic Chronic 2; H411 EUH066	>= 30 - < 50
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts	84989-14-0 284-903-7	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 2; H411  Acute toxicity estimate  Acute oral toxicity: 1.080 mg/kg	>= 2,5 - < 3
Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	Acute Tox. 4; H302 Eye Dam. 1; H318 Aquatic Chronic 3; H412  Acute toxicity estimate  Acute oral toxicity: 500 mg/kg	>= 2,5 - < 3
2-methylpropan-1-ol	78-83-1 201-148-0 603-108-00-1	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Eye Dam. 1; H318	>= 1 - < 3

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		STOT SE 3; H336 (Central nervous system) STOT SE 3; H335 (Respiratory system)	
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For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- |                            |  |
|----------------------------|--|
| General advice             | : Move out of dangerous area.<br>Consult a physician.<br>Show this safety data sheet to the doctor in attendance.<br>Symptoms of poisoning may appear several hours later.<br>Do not leave the victim unattended.  |
| Protection of first-aiders | : Avoid inhalation, ingestion and contact with skin and eyes.  |
| If inhaled                 | : Remove to fresh air.<br>If experiencing any discomfort, immediately remove from exposure. Light cases: Keep person under surveillance. Get medical attention immediately if symptoms develop. Serious cases: Get medical attention immediately or call for an ambulance.<br><br>If unconscious, place in recovery position and seek medical advice.              |
| In case of skin contact    | : Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.<br>If on clothes, remove clothes.<br>If on skin, rinse well with water.<br>Wash off immediately with soap and plenty of water.  |
| In case of eye contact     | : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.<br>In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.<br>Continue rinsing eyes during transport to hospital.<br>Remove contact lenses.<br>Protect unharmed eye.<br>Keep eye wide open while rinsing.<br>Seek medical advice. |
| If swallowed               | : Keep respiratory tract clear.<br>Do NOT induce vomiting.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>Take victim immediately to hospital.   |

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

- |          |  |
|----------|--|
| Symptoms | : Irritation<br>When fed to animals, the active ingredient in this product caused decreased activity, tearing eyes, bleeding from the nose and incoordination.                                       |
| Risks    | : May be fatal if swallowed and enters airways.<br>Causes severe skin burns and eye damage.<br>Causes serious eye damage.<br>May cause respiratory irritation.<br>May cause drowsiness or dizziness. |

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

- |           |   |
|-----------|---|
| Treatment | : Treat symptomatically.<br>Immediate medical attention is required in case of ingestion. |
|-----------|---|

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- |                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Dry chemical, CO <sub>2</sub> , water spray or regular foam.     |
| Unsuitable extinguishing media | : Do not spread spilled material with high-pressure water streams. |

### 5.2 Special hazards arising from the substance or mixture

- |                                       |   |
|---------------------------------------|---|
| Specific hazards during fire-fighting | : Do not allow run-off from fire fighting to enter drains or water courses.   |
| Hazardous combustion products         | : Fire may produce irritating, corrosive and/or toxic gases.<br>Chlorinated compounds<br>Nitrogen oxides (NO <sub>x</sub> )<br>Carbon oxides<br>Hydrogen chloride<br>Hydrogen cyanide<br>Sulphur oxides |

### 5.3 Advice for firefighters

- |   |   |
|---|---|
| Special protective equipment for firefighters | : Wear self-contained breathing apparatus for firefighting if necessary.  |
| Further information                           | : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.<br>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.<br>For safety reasons in case of fire, cans should be stored separately in closed containments.<br>Use a water spray to cool fully closed containers. |

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### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.  
Ensure adequate ventilation.  
Remove all sources of ignition.  
Evacuate personnel to safe areas.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.  
If it can be safely done, stop the leak.  
Keep people away from and upwind of spill/leak.  
Immediately evacuate personnel to safe areas.  
Never return spills in original containers for re-use.  
Mark the contaminated area with signs and prevent access to unauthorized personnel.  
Only qualified personnel equipped with suitable protective equipment may intervene.

#### 6.2 Environmental precautions

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

#### 6.3 Methods and material for containment and cleaning up

Methods for 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).

#### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapours/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.  
To avoid spills during handling keep bottle on a metal tray.  
Dispose of rinse water in accordance with local and national

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regulations.

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 vapours). Keep away from open flames, hot surfaces and sources of ignition. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. If the temperature of the liquid is below 39°C, which is 10°C below its flash point of 49°C, the fire and explosion hazard is considered minor. At higher temperatures, the hazard gradually becomes more serious.

Hygiene measures : When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday. Avoid contact with skin, eyes and clothing. Provide adequate ventilation. Do not inhale aerosol.

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

Requirements for storage areas and containers : 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 conditions : The product is stable under normal conditions of warehouse storage. Store in closed, labelled containers. The storage room should be constructed of incombustible material, closed, dry, ventilated and with impermeable floor, without access of unauthorised persons or children. A warning sign reading "POISON" is recommended. The room should only be used for storage of chemicals. Food, drink, feed and seed should not be present. A hand wash station should be available.

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

### 7.3 Specific end use(s)

Specific use(s) : Registered pesticide to be used in accordance with a label approved by country-specific regulatory authorities.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
2-methylpropan-1-	78-83-1	L	50 ppm	DK OEL



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ol		150 mg/m3
Further information: Means that the substance can be absorbed through the skin., Guiding list of organic solvents.		

### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Aromatic hydrocarbons, C9; Alkylbenzenes; C9-aromatics	Workers	Inhalation	Long-term systemic effects	150 mg/m3
	Workers	Dermal	Long-term systemic effects	25 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	32 mg/m3
	Consumers	Dermal	Long-term systemic effects	11 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	11 mg/kg bw/day
2-methylpropan-1-ol	Consumers	Inhalation	Long-term systemic effects	55 mg/m3
	Workers	Inhalation	Long-term systemic effects	310 mg/m3

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts	Fresh water	270 µg/l
	Intermittent use/release	2,7 mg/l
	Marine water	270 µg/l
	Intermittent use/release	2,7 mg/l
	Sewage treatment plant	5,5 mg/l
	Fresh water sediment	23,8 mg/kg dry weight (d.w.)
	Marine sediment	23,8 mg/kg dry weight (d.w.)
	Soil	35 mg/kg dry weight (d.w.)
2-methylpropan-1-ol	Fresh water	0,4 mg/l
	Intermittent use/release	11 mg/l
	Marine water	0,04 mg/l
	Sewage treatment plant	10 mg/l
	Fresh water sediment	1,56 mg/kg dry weight (d.w.)
	Marine sediment	0,156 mg/kg dry weight (d.w.)
	Soil	0,076 mg/kg dry weight (d.w.)

## 8.2 Exposure controls

### Personal protective equipment

Eye/face protection : Eye wash bottle with pure water  
Tightly fitting safety goggles

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	Wear face-shield and protective suit for abnormal processing problems.
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.
Skin and body protection	: Impervious clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Respiratory protection	: In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
Protective measures	: Plan first aid action before beginning work with this product. Always have on hand a first-aid kit, together with proper instructions. Wear suitable protective equipment. Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke.  In the context of professional plant protection use as recommended, the end user must refer to the label and the instructions for use.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	: liquid
Colour	: yellow
Odour	: Chemical smell
Odour Threshold	: No data available
Melting point/freezing point	: not determined
Boiling point/boiling range	: not determined
Upper explosion limit / Upper flammability limit	: not determined

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Lower explosion limit / Lower flammability limit : not determined

Flash point : 49 °C  
Method: closed cup

Decomposition temperature : not determined

pH : 5,91  
Concentration: 1 %

Viscosity  
Viscosity, dynamic : No data available

Viscosity, kinematic : 5 mm<sup>2</sup>/s (20 °C)  
3,28 mm<sup>2</sup>/s (40 °C)

Solubility(ies)  
Water solubility : dispersible

Partition coefficient: n-octanol/water : Not available for this mixture.

Vapour pressure : Not available for this mixture.

Relative density : 1,087 (20 °C)

Density : No data available

Relative vapour density : Not available for this mixture.

Particle characteristics  
Particle size : Not applicable

### 9.2 Other information

Explosives : Not explosive

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Oxidizing properties	: Non-oxidizing
Flammability (liquids)	: Flammable, Sustains combustion
Self-ignition	: 382 °C

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### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No decomposition if stored and applied as directed.

#### 10.2 Chemical stability

No decomposition if stored and applied as directed.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

Vapours may form explosive mixture with air.

#### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.  
Protect from frost, heat and sunlight.  
Heating of the product will produce harmful and irritant vapours.

#### 10.5 Incompatible materials

Materials to avoid : Avoid strong acids, bases, and oxidizers

#### 10.6 Hazardous decomposition products

Stable under recommended storage conditions.

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### SECTION 11: Toxicological information

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

##### Acute toxicity

Based on available data, the classification criteria are not met.

##### Product:

Acute oral toxicity	: LD50 (Rat): 3.240 mg/kg Remarks: Based on data from a similar product.
Acute inhalation toxicity	: LC50 (Rat): > 2,1 mg/l Exposure time: 4 h

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Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity  
Remarks: Highest attainable concentration.  
Based on data from a similar product.

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg  
Remarks: Based on data from a similar product.

### Components:

#### **clomazone (ISO):**

Acute oral toxicity : Acute toxicity estimate: 768 mg/kg  
Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008

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 : Acute toxicity estimate: 4,85 mg/l  
Test atmosphere: dust/mist  
Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008

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

#### **Aromatic hydrocarbons, C9; Alkylbenzenes; C9-aromatics:**

Acute oral toxicity : LD50 (Rat, female): 3.492 mg/kg

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Acute inhalation toxicity : LC50 (Rat, male and female): > 6,193 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit, male and female): > 3.160 mg/kg

### **Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:**

Acute oral toxicity : LD50 (Rat, male and female): 1.080 - 1.630 mg/kg  
Method: OECD Test Guideline 401  
Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rat, male and female): > 2.000 mg/kg  
Method: OECD Test Guideline 402  
Remarks: Based on data from similar materials

### **Alcohols, C11-14-iso-, C13-rich, ethoxylated:**

Acute oral toxicity : LD50 (Rat): 500 - 2.000 mg/kg  
Remarks: Based on data from similar materials

### **2-methylpropan-1-ol:**

Acute oral toxicity : LD50 (Rat): 3.350 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 18,18 mg/l  
Exposure time: 6 h  
Test atmosphere: vapour  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit): 2.460 mg/kg

### **Skin corrosion/irritation**

Causes severe burns.

#### **Product:**

Species : Rabbit  
Result : Corrosive after 3 minutes to 1 hour of exposure  
Remarks : Extremely corrosive and destructive to tissue.  
Based on data from a similar product.

#### **Components:**

##### **clomazone (ISO):**

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

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Species	:	Rabbit
Assessment	:	No skin irritation
Method	:	OECD Test Guideline 404
Remarks	:	May cause mild irritation. Minimal effects that do not meet the threshold for classification.

### Aromatic hydrocarbons, C9; Alkylbenzenes; C9-aromatics:

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

Assessment	:	Repeated exposure may cause skin dryness or cracking.
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### Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:

Species	:	reconstructed human epidermis (RhE)
Method	:	OECD Test Guideline 439
Result	:	Skin irritation

### Alcohols, C11-14-iso-, C13-rich, ethoxylated:

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	No skin irritation

### 2-methylpropan-1-ol:

Species	:	Rabbit
Result	:	Skin irritation

### Serious eye damage/eye irritation

Causes serious eye damage.

#### Product:

Assessment	:	Risk of serious damage to eyes.
Result	:	Irreversible effects on the eye
Remarks	:	May cause irreversible eye damage. Based on data from a similar product.

#### Components:

##### clomazone (ISO):

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

Species	:	Rabbit
Assessment	:	No eye irritation
Method	:	OECD Test Guideline 405

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Remarks : May cause mild irritation.  
Minimal effects that do not meet the threshold for classification.

### Aromatic hydrocarbons, C9; Alkylbenzenes; C9-aromatics:

Species : Rabbit  
Result : No eye irritation

### Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:

Species : Bovine cornea  
Method : OECD Test Guideline 437  
Result : Irreversible effects on the eye

### Alcohols, C11-14-iso-, C13-rich, ethoxylated:

Species : Rabbit  
Result : Irreversible effects on the eye

### 2-methylpropan-1-ol:

Species : Rabbit  
Result : Irreversible effects on the eye

### Respiratory or skin sensitisation

#### Skin sensitisation

Based on available data, the classification criteria are not met.

#### Respiratory sensitisation

Based on available data, the classification criteria are not met.

#### Product:

Result : Does not cause skin sensitisation.  
Remarks : Based on data from a similar product.

#### Components:

##### clomazone (ISO):

Method : OECD Test Guideline 429  
Result : Not a skin sensitizer.

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

### Aromatic hydrocarbons, C9; Alkylbenzenes; C9-aromatics:

Test Type : Maximisation Test  
Species : Guinea pig  
Method : OECD Test Guideline 406



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### **Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:**

Test Type	: Maximisation Test
Species	: Guinea pig
Method	: OECD Test Guideline 406
Result	: Does not cause skin sensitisation.
Remarks	: Based on data from similar materials

### **Alcohols, C11-14-iso-, C13-rich, ethoxylated:**

Exposure routes	: Skin contact
Result	: Does not cause skin sensitisation.

### **2-methylpropan-1-ol:**

Exposure routes	: Skin contact
Result	: Not a skin sensitizer.

### **Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

### **Components:**

#### **clomazone (ISO):**

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

### **Aromatic hydrocarbons, C9; Alkylbenzenes; C9-aromatics:**

Genotoxicity in vitro	: 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 Result: negative

### **Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:**

Genotoxicity in vitro	: Test Type: reverse mutation assay Result: negative
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Remarks: Based on data from similar materials

Genotoxicity in vivo : Test Type: Bone marrow chromosome aberration  
Species: Mouse  
Application Route: Oral  
Method: OECD Test Guideline 475  
Result: negative  
Remarks: Based on data from similar materials

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

### 2-methylpropan-1-ol:

Genotoxicity in vitro : Result: negative

Genotoxicity in vivo : Result: negative

### Carcinogenicity

Based on available data, the classification criteria are not met.

### Components:

#### clomazone (ISO):

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

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

### Reproductive toxicity

Based on available data, the classification criteria are not met.

### Components:

#### clomazone (ISO):

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

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

Test Type: Embryo-foetal development  
Species: Rabbit  
Application Route: Oral

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Symptoms: Maternal effects  
Result: negative

### Aromatic hydrocarbons, C9; Alkylbenzenes; C9-aromatics:

Effects on fertility : Test Type: Three-generation study  
Species: Rat  
Application Route: Inhalation  
Result: negative

Effects on foetal development : Test Type: Pre-natal  
Species: Rat  
Application Route: inhalation (vapour)  
Method: OECD Test Guideline 414  
Result: negative  
Remarks: Based on data from similar materials

### Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:

Effects on fertility : Test Type: Two-generation study  
General Toxicity - Parent: NOAEL: > 350 mg/kg body weight  
General Toxicity F1: NOAEL: > 350 mg/kg body weight  
Method: OECD Test Guideline 416  
Result: negative  
Remarks: Based on data from similar materials

Effects on foetal development : Test Type: reproductive and developmental toxicity study  
Species: Rat  
Developmental Toxicity: NOAEL: > 350 mg/kg body weight  
Result: negative  
Remarks: Based on data from similar materials

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

### 2-methylpropan-1-ol:

Effects on fertility : Species: Rat  
Application Route: Inhalation  
Fertility: NOAEC Mating/Fertility: 7,5 mg/l

### STOT - single exposure

May cause respiratory irritation.  
May cause drowsiness or dizziness.

### Product:

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

### Components:

### Aromatic hydrocarbons, C9; Alkylbenzenes; C9-aromatics:

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

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dizziness.

### 2-methylpropan-1-ol:

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

### STOT - repeated exposure

Based on available data, the classification criteria are not met.

### Components:

#### Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:

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

### Repeated dose toxicity

### Components:

#### clomazone (ISO):

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

#### Aromatic hydrocarbons, C9; Alkylbenzenes; C9-aromatics:

Species : Rat, males  
NOAEC : 1,8 mg/l  
Application Route : inhalation (vapour)  
Exposure time : 12 months  
Remarks : Based on data from similar materials

#### Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:

Species : Rat, male and female  
NOAEL : 85 mg/kg  
LOAEL : 145 mg/kg  
Application Route : Oral  
Exposure time : 9 mo  
Target Organs : Kidney, Liver  
Remarks : Based on data from similar materials

### 2-methylpropan-1-ol:

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Species	:	Rat
	:	1450 mg/kg
Application Route	:	Oral
Species	:	Rat
	:	7,5 mg/l
Application Route	:	Inhalation

### Aspiration toxicity

May be fatal if swallowed and enters airways.

#### Product:

May be fatal if swallowed and enters airways.

#### Components:

##### **clomazone (ISO):**

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

##### **Aromatic hydrocarbons, C9; Alkylbenzenes; C9-aromatics:**

May be fatal if swallowed and enters airways.

## 11.2 Information on other hazards

### Endocrine disrupting properties

#### Product:

Assessment	:	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
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#### Components:

##### **clomazone (ISO):**

Assessment	:	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
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### Further information

#### Product:

Remarks	:	Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Concentrations substantially above the TLV value may cause narcotic effects. Solvents may degrease the skin.
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### Components:

#### **clomazone (ISO):**

Remarks : When fed to animals, clomazone caused decreased activity, tearing eyes, bleeding from the nose and incoordination.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 32 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 20,8 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : ErC50 (Navicula pelliculosa (Diatom)): 2,2 mg/l  
Exposure time: 120 h

#### **Ecotoxicology Assessment**

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

### Components:

#### **clomazone (ISO):**

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 (water flea)): 5,2 mg/l  
Exposure time: 48 h

EC50 (Daphnia magna (Water flea)): 12,7 mg/l  
Exposure time: 48 h  
Test Type: static test

EC50 (Mysidopsis bahia (opossum shrimp)): 9,8 mg/l  
Exposure time: 48 h

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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

M-Factor (Acute aquatic toxicity) : 1

Toxicity to fish (Chronic toxicity) : NOEC: 2,3 mg/l  
Exposure time: 21 d  
Species: Oncorhynchus mykiss (rainbow trout)  
Test Type: flow-through test

NOEC: 2,29 mg/l  
Exposure time: 57 d  
Species: Oncorhynchus mykiss (rainbow trout)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 2,2 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)

NOEC: 0,032 mg/l  
Exposure time: 28 d  
Species: Americamysis bahia (mysid shrimp)  
Test Type: flow-through test

NOEC: 1,25 mg/l  
Exposure time: 21 d

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Species: *Daphnia magna* (Water flea)  
Test Type: static test

M-Factor (Chronic aquatic toxicity) : 1

Toxicity to soil dwelling organisms : LC50: 156 mg/kg  
Exposure time: 14 d  
Species: *Eisenia fetida* (earthworms)

Toxicity to terrestrial organisms : LD50: > 2.510 mg/kg  
Species: *Anas platyrhynchos* (Mallard duck)

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

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

NOEC: 94 mg/kg  
End point: Reproduction Test  
Species: *Colinus virginianus*

LC50: > 85.29  
Species: *Apis mellifera* (bees)

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

### Aromatic hydrocarbons, C9; Alkylbenzenes; C9-aromatics:

Toxicity to fish : LL50 (*Oncorhynchus mykiss* (rainbow trout)): 9,2 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203  
Remarks: water accommodated fractions (WAF)

Toxicity to daphnia and other aquatic invertebrates : EL50 (*Daphnia magna* (Water flea)): 3,2 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : NOELR (*Pseudokirchneriella subcapitata* (green algae)): 0,22 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

EL50 (*Pseudokirchneriella subcapitata* (green algae)): 7,9 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

Toxicity to microorganisms : EC50 (activated sludge): > 99 mg/l



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Exposure time: 10 min  
Method: OECD Test Guideline 209

### Ecotoxicology Assessment

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

### Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:

Toxicity to fish : LC50 (Fish): 1,7 - 7,7 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203  
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): 5,7 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
Remarks: water accommodated fractions (WAF)

Toxicity to algae/aquatic plants : NOELR (Pseudokirchneriella subcapitata (green algae)): 10 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
Remarks: water accommodated fractions (WAF)

EL50 (Pseudokirchneriella subcapitata (algae)): > 100 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
Remarks: water accommodated fractions (WAF)

Toxicity to microorganisms : EC50 (activated sludge): 162 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209

### Alcohols, C11-14-iso-, C13-rich, ethoxylated:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 10 - 100 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

LC50 (Leuciscus idus (Golden orfe)): > 1 - 10 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 : > 1 - 10 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (algae): > 1 - 10 mg/l  
Exposure time: 72 h

EC10 (algae): > 0,1 - < 1 mg/l

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### 2-methylpropan-1-ol:

Toxicity to fish	:	LC50 : 1.430 mg/l Exposure time: 4 d
Toxicity to daphnia and other aquatic invertebrates	:	EC50 : 1.100 mg/l Exposure time: 48 h
Toxicity to microorganisms	:	EC50 (Anabaena flos-aquae (cyanobacterium)): 593 - 1.799 mg/l Exposure time: 72 h  IC50 (Natural microorganism): 1.000 mg/l Exposure time: 16 h
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC: 20 mg/l Exposure time: 21 d

## 12.2 Persistence and degradability

### Product:

Biodegradability	:	Remarks: Product contains minor amounts of not readily biodegradable components, which may not be degradable in waste water treatment plants.
------------------	---	---

### Components:

#### **clomazone (ISO):**

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.
------------------	---	--

#### **Aromatic hydrocarbons, C9; Alkylbenzenes; C9-aromatics:**

Biodegradability	:	Result: Readily biodegradable. Biodegradation: 78 % Exposure time: 28 d Method: OECD Test Guideline 301F
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#### **Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:**

Biodegradability	:	Result: Readily biodegradable. Method: OECD Test Guideline 301F
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#### **Alcohols, C11-14-iso-, C13-rich, ethoxylated:**

Biodegradability	:	Result: Readily biodegradable. Biodegradation: > 60 % Exposure time: 28 d
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Method: OECD Test Guideline 301E

### 2-methylpropan-1-ol:

Biodegradability : Result: Readily biodegradable.

## 12.3 Bioaccumulative potential

### Product:

Bioaccumulation : Remarks: No data is available on the product itself.

### Components:

#### clomazone (ISO):

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

#### Aromatic hydrocarbons, C9; Alkylbenzenes; C9-aromatics:

Partition coefficient: n-octanol/water : log Pow: 2,92 - 3,59  
Method: QSAR

#### Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts:

Partition coefficient: n-octanol/water : log Pow: 4,3 - 5,8 (25 °C)  
pH: 7  
Method: OECD Test Guideline 117

### 2-methylpropan-1-ol:

Bioaccumulation : Remarks: No bioaccumulation is to be expected (log Pow <= 4).

Partition coefficient: n-octanol/water : Pow: 10 (25 °C)

## 12.4 Mobility in soil

### Product:

Distribution among environmental compartments : Remarks: No data is available on the product itself.

### Components:

#### clomazone (ISO):

Distribution among environmental compartments : Koc: 300 ml/g, log Koc: 2,47  
Remarks: Moderately mobile in soils

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### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### Components:

##### **clomazone (ISO):**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### Components:

##### **clomazone (ISO):**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7 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.

#### Components:

##### **clomazone (ISO):**

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 considerations

#### 13.1 Waste treatment methods

- |                        |   |
|------------------------|---|
| Product                | : The product should not be allowed to enter drains, water courses or the soil.<br>Do not contaminate ponds, waterways or ditches with chemical or used container.<br>Send to a licensed waste management company.                                    |
| Contaminated packaging | : Empty remaining contents.<br>Do not re-use empty containers.<br>Packaging that is not properly emptied must be disposed of as the unused product.<br>Empty containers should be taken to an approved waste handling site for recycling or disposal. |

### SECTION 14: Transport information

#### 14.1 UN number or ID number

- |      |           |
|------|-----------|
| ADN  | : UN 2920 |
| ADR  | : UN 2920 |
| RID  | : UN 2920 |
| IMDG | : UN 2920 |
| IATA | : UN 2920 |

#### 14.2 UN proper shipping name

- |      |   |
|------|---|
| ADN  | : CORROSIVE LIQUID, FLAMMABLE, N.O.S.<br>(Solvent naphtha (petroleum), light aromatic, Clomazone) |
| ADR  | : CORROSIVE LIQUID, FLAMMABLE, N.O.S.<br>(Solvent naphtha (petroleum), light aromatic, Clomazone) |
| RID  | : CORROSIVE LIQUID, FLAMMABLE, N.O.S.<br>(Solvent naphtha (petroleum), light aromatic, Clomazone) |
| IMDG | : CORROSIVE LIQUID, FLAMMABLE, N.O.S.<br>(Solvent naphtha (petroleum), light aromatic, Clomazone) |
| IATA | : Corrosive liquid, flammable, n.o.s.<br>(Solvent naphtha (petroleum), light aromatic, Clomazone) |

#### 14.3 Transport hazard class(es)

- |      | Class | Subsidiary risks |
|------|-------|------------------|
| ADN  | : 8   | 3                |
| ADR  | : 8   | 3                |
| RID  | : 8   | 3                |
| IMDG | : 8   | 3                |

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IATA : 8 3

### 14.4 Packing group

#### ADN

Packing group : II  
Classification Code : CF1  
Hazard Identification Number : 83  
Labels : 8 (3)

#### ADR

Packing group : II  
Classification Code : CF1  
Hazard Identification Number : 83  
Labels : 8 (3)  
Tunnel restriction code : (D/E)

#### RID

Packing group : II  
Classification Code : CF1  
Hazard Identification Number : 83  
Labels : 8 (3)

#### IMDG

Packing group : II  
Labels : 8 (3)  
EmS Code : F-E, S-C

#### IATA (Cargo)

Packing instruction (cargo aircraft) : 855  
Packing instruction (LQ) : Y840  
Packing group : II  
Labels : Corrosive, Flammable Liquids

#### IATA (Passenger)

Packing instruction (passenger aircraft) : 851  
Packing instruction (LQ) : Y840  
Packing group : II  
Labels : Corrosive, Flammable Liquids

### 14.5 Environmental hazards

#### ADN

Environmentally hazardous : yes

#### ADR

Environmentally hazardous : yes

#### RID

Environmentally hazardous : yes

#### IMDG

Marine pollutant : yes

#### IATA (Passenger)

Environmentally hazardous : yes

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### IATA (Cargo)

Environmentally hazardous : yes

### 14.6 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.

### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered: Number on list 75, 3

If you intend to use this product as tattoo ink, please contact your vendor.

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

Regulation (EU) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. E1 ENVIRONMENTAL HAZARDS

P5c FLAMMABLE LIQUIDS

Other regulations:

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When evaluating a workplace, measures must be taken to ensure that employees are not exposed to conditions that may pose a risk during pregnancy or breastfeeding (cf. The Danish Working Environment Authority's Executive Order on The Performance of Work)

Young people under the age of 18 are not allowed to use or be exposed to the product professionally. Young people above the age of 15 are, however, except from this rule if the product is a necessary part of their education.

### The components 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.  clomazone (ISO) Aromatic hydrocarbons, C9; Alkylbenzenes; C9-aromatics Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts
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

### 15.2 Chemical safety assessment

A chemical safety assessment is not required for this product (mixture).

## SECTION 16: Other information

### Full text of H-Statements

H226	: Flammable liquid and vapour.
H302	: Harmful if swallowed.
H304	: May be fatal if swallowed and enters airways.
H315	: Causes skin irritation.
H318	: Causes serious eye damage.
H332	: Harmful if inhaled.
H335	: May cause respiratory irritation.



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H336	: May cause drowsiness or dizziness.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.
H411	: Toxic to aquatic life with long lasting effects.
H412	: Harmful to aquatic life with long lasting effects.
EUH066	: Repeated exposure may cause skin dryness or cracking.

### Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Asp. Tox.	: Aspiration hazard
Eye Dam.	: Serious eye damage
Flam. Liq.	: Flammable liquids
Skin Irrit.	: Skin irritation
STOT SE	: Specific target organ toxicity - single exposure
DK OEL	: Denmark. Occupational Exposure Limits
DK OEL / L	: Ceiling

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; 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; 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; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

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### Classification of the mixture:

Flam. Liq. 3	H226
Skin Corr. 1B	H314
Eye Dam. 1	H318
STOT SE 3	H335
STOT SE 3	H336
Asp. Tox. 1	H304
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

### Classification procedure:

Based on product data or assessment
Based on product data or assessment
Based on product data or assessment
Based on product data or assessment
Based on product data or assessment
Based on product data or assessment
Based on product data or assessment
Based on product data or assessment

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