

# SAFETY DATA SHEET

According to Commission Regulation (EU) 2020/878 of amending  
Regulation (EC) No 1907/2006



## NOVITRON® DAM TEC

Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	10.02.2023	50000813	Date of first issue: 10.02.2023

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

#### 1.1 Product identifier

**Product name** NOVITRON® DAM TEC

#### Other means of identification

**Product code** 50000813

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

<b>Use of the Sub- stance/Mixture</b>	Herbicide
<b>Recommended restrictions on use</b>	Use as recommended by the label.

#### 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)**

Skin irritation, Category 2	H315: Causes skin irritation.
Carcinogenicity, Category 2	H351: Suspected of causing cancer.
Short-term (acute) aquatic hazard, Cate-	H400: Very toxic to aquatic life.

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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 : Warning

Hazard statements :  
H315 Causes skin irritation.  
H351 Suspected of causing cancer.  
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

#### **Response:**

P302 + P352 IF ON SKIN: Wash with plenty of water and soap.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P391 Collect spillage.

#### **Disposal:**

P501 Dispose of contents/container in accordance with local regulation.

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

aclonifen (ISO)

#### Additional Labelling

EUH208 Contains aclonifen (ISO). May produce an allergic reaction.

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.

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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)
aclonifen (ISO)	74070-46-5 277-704-1 612-120-00-6	Skin Sens. 1A; H317 Carc. 2; H351 Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 100 M-Factor (Chronic aquatic toxicity): 10	>= 40 - < 60
Sodium polynaphthalene sulpho- nate	9084-06-4	Eye Irrit. 2; H319	>= 1 - < 10
clomazone (ISO)	81777-89-1  613-340-00-5	Acute Tox. 4; H302 Acute Tox. 4; H332 Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1  Acute toxicity esti- mate  Acute oral toxicity: 768 mg/kg Acute inhalation tox- icity (dust/mist): 4,85	>= 2,5 - < 10

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		mg/l	
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3 270-115-0	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412	$\geq 1 - < 2,5$
methanol	67-56-1 200-659-6 603-001-00-X	Flam. Liq. 2; H225 Acute Tox. 3; H301 Acute Tox. 3; H331 Acute Tox. 3; H311 STOT SE 1; H370 (Central nervous system, Eyes)  specific concentration limit STOT SE 1; H370 $\geq 10\%$ STOT SE 2; H371 3 - $< 10\%$  Acute toxicity esti- mate  Acute oral toxicity: 100,0 mg/kg 100 mg/kg Acute inhalation tox- icity (vapour): 5 mg/l  Acute dermal toxicity: 300 mg/kg 300 mg/kg	$\geq 0,1 - < 1$
Substances with a workplace exposure limit :			
kaolin	1332-58-7 310-194-1		$\geq 10 - < 20$

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.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : Remove to fresh air.  
If unconscious, place in recovery position and seek medical  
advice.

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If symptoms persist, call a physician.

In case of skin contact : If on clothes, remove clothes.  
If on skin, rinse well with water.  
Wash off with soap and plenty of water.  
Get medical attention immediately if irritation develops and persists.

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.  
Do not induce vomiting without medical advice.

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

Risks : Causes skin irritation.  
Suspected of causing cancer.

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

Treatment : Treat symptomatically.

## 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 : High volume water jet

### 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 : Thermal decomposition can lead to release of irritating gases and vapours.  
Ammonia  
Sulphur oxides  
Sulphuric acid  
Carbon oxides  
Halogenated compounds  
Nitrogen oxides (NO<sub>x</sub>)

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### 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.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
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## SECTION 6: Accidental release measures

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

- Personal precautions : Use personal protective equipment.  
Avoid dust formation.  
Avoid breathing dust.  
If it can be safely done, stop the leak.  
Keep people away from and upwind of spill/leak.  
Remove all sources of ignition.  
Immediately evacuate personnel to safe areas.  
Ensure adequate ventilation.  
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 : Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

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

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Advice on safe handling : Avoid formation of respirable particles.  
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 ap-

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plication area.  
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.

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

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

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully re-sealed 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
kaolin	1332-58-7	GV (Respirable dust)	2 mg/m <sup>3</sup>	DK OEL
		TWA (Respirable dust)	0,1 mg/m <sup>3</sup>	2004/37/EC
Further information	Carcinogens or mutagens			
		S (Respirable dust)	4 mg/m <sup>3</sup>	DK OEL
methanol	67-56-1	TWA	200 ppm 260 mg/m <sup>3</sup>	2006/15/EC

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Further information	Indicative, Identifies the possibility of significant uptake through the skin			
		GV	200 ppm 260 mg/m3	DK OEL
Further information	Means that the substance can be absorbed through the skin., Guiding list of organic solvents.			
		S	400 ppm 520 mg/m3	DK OEL

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

Substance name	End Use	Exposure routes	Potential health effects	Value
ammonium sulphate	Workers	Inhalation	Long-term systemic effects	11,167 mg/m3
	Workers	Dermal	Long-term systemic effects	44,667 mg/kg
	Consumers	Inhalation	Long-term systemic effects	1,667 mg/m3
	Consumers	Dermal	Long-term systemic effects	12,8 mg/kg
	Consumers	Oral	Long-term systemic effects	6,4 mg/kg
sodium dodecylbenzenesulfonate	Workers	Inhalation	Long-term systemic effects	52 mg/m3
	Workers	Inhalation	Acute systemic effects	52 mg/m3
	Workers	Inhalation	Long-term local effects	52 mg/m3
	Workers	Inhalation	Acute local effects	52 mg/m3
	Workers	Dermal	Long-term systemic effects	57,2 mg/kg
	Workers	Dermal	Acute systemic effects	80 mg/kg
	Workers	Dermal	Long-term local effects	1,57 mg/cm2
	Workers	Dermal	Acute local effects	1,57 mg/cm2
	Consumers	Inhalation	Long-term systemic effects	26 mg/m3
	Consumers	Inhalation	Acute systemic effects	26 mg/m3
	Consumers	Inhalation	Long-term local effects	26 mg/m3
	Consumers	Inhalation	Acute local effects	26 mg/m3
	Consumers	Dermal	Long-term systemic effects	28,6 mg/kg
	Consumers	Dermal	Acute systemic effects	40 mg/kg
	Consumers	Dermal	Long-term local effects	0,787 mg/cm2
	Consumers	Dermal	Acute local effects	0,787 mg/cm2
	Consumers	Oral	Long-term systemic effects	13 mg/kg



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	Consumers	Oral	Acute systemic effects	13 mg/kg
methanol	Workers	Inhalation	Long-term systemic effects	260 mg/m3
	Workers	Inhalation	Acute systemic effects	260 mg/m3
	Workers	Inhalation	Long-term local effects	260 mg/m3
	Workers	Inhalation	Acute local effects	260 mg/m3
	Workers	Dermal	Long-term systemic effects	40 mg/kg
	Workers	Dermal	Acute systemic effects	40 mg/kg
	Consumers	Inhalation	Long-term systemic effects	50 mg/m3
	Consumers	Inhalation	Acute systemic effects	50 mg/m3
	Consumers	Inhalation	Long-term local effects	50 mg/m3
	Consumers	Inhalation	Acute local effects	50 mg/m3
	Consumers	Dermal	Long-term systemic effects	8 mg/m3
	Consumers	Dermal	Acute systemic effects	8 mg/m3
	Consumers	Oral	Long-term systemic effects	8 mg/kg
	Consumers	Oral	Acute systemic effects	8 mg/kg

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

Substance name	Environmental Compartment	Value
ammonium sulphate	Fresh water	0,312 mg/l
	Marine water	0,0312 mg/l
	Sewage treatment plant	16,18 mg/l
	Fresh water sediment	0,063 mg/kg
	Soil	62,6 mg/kg
sodium dodecylbenzenesulfonate	Intermittent use (freshwater)	0,530 mg/l
	Fresh water	0,693 mg/l
	Marine water	1 mg/l
	Intermittent use/release	0,654 mg/l
	Sewage treatment plant	50 mg/l
	Fresh water sediment	27,5 mg/kg dry weight (d.w.)
	Marine sediment	2,75 mg/kg dry weight (d.w.)
	Soil	25 mg/kg dry weight (d.w.)
methanol	Fresh water	20,8 mg/l
	Intermittent use/release	1,54 mg/l
	Marine water	2,08 mg/l
	Sewage treatment plant	100 mg/l
	Fresh water sediment	77 mg/kg

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	Marine sediment	7,7 mg/kg
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### 8.2 Exposure controls

#### Personal protective equipment

- |                             |   |
|-----------------------------|---|
| Eye protection              | : Eye wash bottle with pure water<br>Tightly fitting safety goggles   |
| Hand protection<br>Material | : Wear chemical resistant gloves, such as barrier laminate,<br>butyl rubber or nitrile rubber.  |
| Remarks                     | : The suitability for a specific workplace should be discussed<br>with the producers of the protective gloves.  |
| Skin and body protection    | : Dust impervious protective suit<br>Choose body protection according to the amount and con-<br>centration of the dangerous substance at the work place.  |
| Respiratory protection      | : In case of dust exposure wear suitable personal respiratory<br>protection and protective suit.  |
| Protective measures         | : Plan first aid action before beginning work with this product.<br>Always have on hand a first-aid kit, together with proper in-<br>structions.<br>Wear suitable protective equipment.<br>When using do not eat, drink or smoke.<br><br>In the context of professional plant protection use as recom-<br>mended, the end user must refer to the label and the instruc-<br>tions for use. |

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- |   |                   |
|---|-------------------|
| Appearance  | : solid, granules |
| Colour  | : greenish-yellow |
| Odour   | : Chemical smell  |
| Odour Threshold                                     | : not determined  |
| Melting point/freezing point                        | : not determined  |
| Boiling point/boiling range                         | : not determined  |
| Upper explosion limit / Upper<br>flammability limit | : not determined  |
| Lower explosion limit / Lower                       | : not determined  |

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flammability limit

Flash point : not determined

Decomposition temperature : not determined

pH : 6,37  
In a 1% aqueous dispersion

Viscosity  
Viscosity, dynamic : not determined

Viscosity, kinematic : not determined

Solubility(ies)  
Water solubility : dispersible

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

Vapour pressure : Not available for this mixture.

Relative density : not determined

Density : not determined

Bulk density : 0,64 - 0,66 g/m3

Relative vapour density : not determined

### 9.2 Other information

Explosives : Not explosive

Oxidizing properties : Non-oxidizing

Self-ignition : 340 °C

## 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.

Dust may form explosive mixture in air.

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### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

### 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

Not classified based on available information.

#### Product:

Acute oral toxicity : LD50 (Rat): > 2.000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg

#### Components:

##### **acclonifen (ISO):**

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 5,06 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rat): > 5.000 mg/kg

##### **Sodium polynaphthalene sulphonate:**

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg  
Remarks: Based on data from similar materials

##### **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): 767,5 mg/kg  
Method: US EPA Test Guideline OPP 81-1

Acute inhalation toxicity : Acute toxicity estimate: 4,85 mg/l

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

LC50 (Rat, female): 4,85 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: US EPA Test Guideline OPP 81-3

Acute dermal toxicity : LD50 (Rabbit, male and female): > 2.000 mg/kg  
Method: US EPA Test Guideline OPP 81-2  
Assessment: The substance or mixture has no acute dermal toxicity

### **Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts:**

Acute oral toxicity : LD50 Oral (Rat, male and female): 1.080 mg/kg  
Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 Dermal (Rat, male and female): > 2.000 mg/kg  
Method: OECD Test Guideline 402

### **methanol:**

Acute oral toxicity : Acute toxicity estimate: 100,0 mg/kg  
Method: Converted acute toxicity point estimate

LD50 (Rat): 1.187 mg/kg

Acute toxicity estimate (Humans): 100 mg/kg  
Method: Expert judgement

Acute inhalation toxicity : LC50 (Rat, female): 82,1 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

LC50 (Rat, male): 92,6 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

Acute toxicity estimate: 5 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: Expert judgement

Acute dermal toxicity : Acute toxicity estimate: 300 mg/kg  
Method: Converted acute toxicity point estimate

LD50 (Rabbit): 17.100 mg/kg

Acute toxicity estimate: 300 mg/kg  
Method: Expert judgement

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### kaolin:

Acute oral toxicity	:	LD50 (Rat): > 5.000 mg/kg Method: OECD Test Guideline 401  LD50: > 2.000 mg/kg Method: OECD Test Guideline 420 Assessment: The substance or mixture has no acute oral toxicity
Acute inhalation toxicity	:	LD50: 5,07 mg/l Method: OECD Test Guideline 436
Acute dermal toxicity	:	LD50 (Rat): > 5.000 mg/kg  LD50: > 2.000 mg/kg Method: OECD Test Guideline 402 Assessment: The substance or mixture has no acute dermal toxicity

### Skin corrosion/irritation

Causes skin irritation.

### Product:

Species	:	Rabbit
Result	:	Skin irritation

### Components:

#### aclonifen (ISO):

Species	:	Rabbit
Assessment	:	No skin irritation
Result	:	slight irritation
Remarks	:	Minimal effects that do not meet the threshold for classification.

#### clomazone (ISO):

Species	:	Rabbit
Method	:	US EPA Test Guideline OPP 81-5
Result	:	No skin irritation

#### Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts:

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

#### methanol:

Species	:	Rabbit
Result	:	No skin irritation

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### kaolin:

Method	:	OECD Test Guideline 404
Result	:	No skin irritation

### Serious eye damage/eye irritation

Not classified based on available information.

### Product:

Species	:	Rabbit
Assessment	:	Not classified as irritant
Result	:	No eye irritation

Remarks	:	Product dust may be irritating to eyes, skin and respiratory system.
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### Components:

#### aclonifen (ISO):

Species	:	Rabbit
Assessment	:	Not classified as irritant
Result	:	No eye irritation

#### Sodium polynaphthalene sulphonate:

Result	:	Eye irritation
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#### clomazone (ISO):

Species	:	Rabbit
Method	:	US EPA Test Guideline OPP 81-4
Result	:	No eye irritation

#### Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts:

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

### methanol:

Species	:	Rabbit
Result	:	No eye irritation

### kaolin:

Method	:	OECD Test Guideline 405
Result	:	No eye irritation

### Respiratory or skin sensitisation

#### Skin sensitisation

Not classified based on available information.

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### Respiratory sensitisation

Not classified based on available information.

#### Product:

Assessment	:	Did not cause sensitisation on laboratory animals.
Result	:	Not a skin sensitizer.

#### Components:

##### **aclonifen (ISO):**

Exposure routes	:	Skin contact
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	May cause sensitisation by skin contact.

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

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

##### **Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts:**

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

##### **methanol:**

Test Type	:	Maximisation Test
Species	:	Guinea pig
Result	:	Not a skin sensitizer.

##### **kaolin:**

Method	:	OECD Test Guideline 429
Result	:	Does not cause skin sensitisation.

### Germ cell mutagenicity

Not classified based on available information.

#### Product:

Germ cell mutagenicity- Assessment	:	Contains no ingredient listed as a mutagen
------------------------------------	---	--

#### Components:

##### **aclonifen (ISO):**

Genotoxicity in vitro	:	Result: negative
Genotoxicity in vivo	:	Result: negative



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

Genotoxicity in vitro : Test Type: Ames test  
Test system: Salmonella typhimurium  
Result: negative

Test Type: gene mutation test  
Test system: Chinese hamster ovary cells  
Metabolic activation: with and without metabolic activation  
Result: negative

Genotoxicity in vivo : Test Type: Cytogenetic assay  
Species: Rat  
Result: negative

### **Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts:**

Genotoxicity in vitro : Test Type: reverse mutation assay  
Method: Regulation (EC) No. 440/2008, Annex, B.13/14  
(Ames test)  
Result: negative

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

Test Type: Chromosome aberration test in vitro  
Method: OECD Test Guideline 473  
Result: equivocal

Genotoxicity in vivo : Test Type: Chromosome aberration test in vitro  
Species: Mouse (male)  
Application Route: Oral  
Result: negative

Test Type: Cytogenetic assay  
Species: Mouse (male)  
Application Route: Oral  
Result: negative

Test Type: Rodent Dominant Lethal Assay  
Species: Mouse (male)  
Application Route: Oral  
Result: negative

Test Type: In vivo micronucleus test  
Species: Mouse (male and female)  
Application Route: Oral  
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.

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### methanol:

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test  
Test system: Chinese hamster fibroblasts  
Result: negative

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

Genotoxicity in vivo : Test Type: Micronucleus test  
Species: Mouse  
Application Route: Intraperitoneal injection  
Result: negative

### kaolin:

Genotoxicity in vitro : Test Type: Ames test  
Method: OECD Test Guideline 471  
Result: negative

Genotoxicity in vivo : Remarks: No data available

### Carcinogenicity

Suspected of causing cancer.

#### Product:

Carcinogenicity - Assessment : Limited evidence of carcinogenicity in animal studies

#### Components:

##### aclonifen (ISO):

Result : positive

Carcinogenicity - Assessment : Limited evidence of carcinogenicity in animal studies

##### clomazone (ISO):

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

### methanol:

Species : Mouse, male and female  
Application Route : inhalation (vapour)  
Exposure time : 18 month(s)  
NOAEC : 1,3 mg/l

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Result	: negative
Species	: Rat, male and female
Application Route	: inhalation (vapour)
Exposure time	: 2 Years
NOAEC	: 1,3 mg/l
Result	: negative

### Reproductive toxicity

Not classified based on available information.

#### Product:

Reproductive toxicity - Assessment	: Contains no ingredient listed as toxic to reproduction
------------------------------------	--

#### Components:

##### **aclonifen (ISO):**

Effects on fertility	: Test Type: Two-generation study Species: Rat Result: negative
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Effects on foetal development	: Species: Rat Result: negative
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	Species: Rabbit Result: negative
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##### **clomazone (ISO):**

Effects on fertility	: Test Type: Two-generation study Species: Rat, male and female Application Route: Oral Result: negative
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Effects on foetal development	: Test Type: Embryo-foetal development Species: Rat Application Route: Oral Symptoms: Maternal effects Result: negative
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	Test Type: Embryo-foetal development Species: Rabbit Application Route: Oral Symptoms: Maternal effects Result: negative
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##### **Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts:**

Effects on fertility	: Test Type: Three-generation study Species: Rat, male and female Application Route: Oral
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Dose: 14, 70, 350 mg/kg bw d  
Duration of Single Treatment: 2 yr  
General Toxicity - Parent: NOAEL: 350 mg/kg bw/day  
General Toxicity F1: NOAEL: 350 mg/kg bw/day  
General Toxicity F2: NOAEL: 350 mg/kg bw/day  
Result: negative

Effects on foetal development : Test Type: Developmental Toxicity Screening Test  
Species: Rat  
Application Route: Oral  
Dose: 0.2, 2.0, 300, 600 milligram per kilogram  
Duration of Single Treatment: 20 d  
General Toxicity Maternal: LOAEL: 600 mg/kg body weight  
Embryo-foetal toxicity: LOAEL: 600 mg/l  
Symptoms: Retardations

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

### methanol:

Effects on fertility : Test Type: one-generation reproductive toxicity  
Species: Monkey, female  
Application Route: inhalation (vapour)  
General Toxicity F1: NOAEC: 2,39 mg/l  
Result: negative

Test Type: Two-generation study  
Species: Rat, male and female  
Application Route: inhalation (vapour)  
General Toxicity F1: LOAEC: 1,3 mg/l  
General Toxicity F2: LOAEC: 1,3 mg/l  
Result: negative

Effects on foetal development : Test Type: Pre-natal  
Species: Mouse  
Application Route: inhalation (vapour)  
Developmental Toxicity: NOAEC: 6,65 mg/l  
Result: Embryotoxic effects and adverse effects on the offspring were detected only at high maternally toxic doses

Test Type: Pre-natal  
Species: Rat  
Application Route: inhalation (vapour)  
Developmental Toxicity: NOAEC: 1,33 mg/l  
Result: Embryotoxic effects and adverse effects on the offspring were detected only at high maternally toxic doses

### kaolin:

Effects on fertility : Remarks: No data available

Effects on foetal development : Remarks: No data available

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### STOT - single exposure

Not classified based on available information.

#### Product:

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

#### Components:

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

Remarks : No significant adverse effects were reported

##### **methanol:**

Target Organs : Central nervous system, Eyes  
Assessment : The substance or mixture is classified as specific target organ toxicant, single exposure, category 1.

##### **kaolin:**

Remarks : No significant adverse effects were reported

### STOT - repeated exposure

Not classified based on available information.

#### Product:

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

#### Components:

##### **Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts:**

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

##### **kaolin:**

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

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### Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts:

Species	: Rat, male and female
LOAEL	: 300 mg/kg
Application Route	: Oral
Exposure time	: 9 months
Dose	: 300, 900 mg/kg/bw/day

Species	: Rat, male and female
NOAEL	: 5 %
Application Route	: Dermal
Exposure time	: 26 weeks
Dose	: 0.5%, 1%, 5%

### methanol:

Species	: Monkey
LOAEL	: 2.340 mg/kg
Application Route	: Ingestion
Exposure time	: 3 days

Species	: Rat
NOEC	: 0,13 mg/l
LOAEL	: 1,3 mg/l
Application Route	: inhalation (vapour)
Exposure time	: 12 months
Remarks	: No toxicologically significant effects were found.

### kaolin:

Remarks	: No data available
---------	---------------------

### Aspiration toxicity

Not classified based on available information.

#### Product:

No aspiration toxicity classification

#### Components:

##### clomazone (ISO):

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

## 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
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(EU) 2017/2100 or Commission Regulation (EU) 2018/605 at  
levels of 0.1% or higher.

### Experience with human exposure

#### Components:

##### **methanol:**

Ingestion : Target Organs: Eyes  
Remarks: Based on Human Evidence

### Further information

#### Product:

Remarks : This product contains microencapsulated active ingredients.  
The toxicity of encapsulated substances is always lower than  
that of the substances themselves. It approaches the toxicity  
of the substances only in cases where grinding actions break  
up the capsules, thus freeing the active ingredients.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

Toxicity to fish : LC50 (Fish): 4,87 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia (water flea)): 8,4 mg/l  
aquatic invertebrates Exposure time: 48 h

Toxicity to algae/aquatic : EC50 (algae): 0,026 mg/l  
plants Exposure time: 72 h

#### **Ecotoxicology Assessment**

Acute aquatic toxicity : Very toxic to aquatic life.

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

#### Components:

##### **aclonifen (ISO):**

Toxicity to fish : LC50 (Fish): 0,67 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 1,2 mg/l  
aquatic invertebrates Exposure time: 48 h

Toxicity to algae/aquatic : EC50 (Desmodesmus subspicatus (green algae)): 0,0069

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plants  
mg/l  
Exposure time: 96 h  
  
NOEC (Lemna gibba (duckweed)): 0,0012 mg/l  
Exposure time: 14 d

M-Factor (Acute aquatic toxicity) : 100

Toxicity to fish (Chronic toxicity) : NOEC: 0,009 mg/l  
Exposure time: 21 d  
Species: Oncorhynchus mykiss (rainbow trout)  
Test Type: flow-through test

NOEC: 0,005 mg/l  
Exposure time: 35 d  
Species: Pimephales promelas (fathead minnow)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,016 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)

M-Factor (Chronic aquatic toxicity) : 10

### Sodium polynaphthalene sulphonate:

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC50: 5,37 - 8,77 mg/l  
Exposure time: 45 d  
Species: Daphnia magna (Water flea)

### clomazone (ISO):

Toxicity to fish : LC50 (Menidia beryllina (Silverside)): 6,3 mg/l  
Exposure time: 96 h  
  
LC50 (Oncorhynchus mykiss (rainbow trout)): 14,4 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 (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

LC50 (Americamysis bahia (mysid shrimp)): 0,57 mg/l  
Exposure time: 96 h  
Test Type: flow-through test

LC50 (Crustaceans): 0,53 mg/l



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Exposure time: 96 h

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

NOEC (Navicula pelliculosa (Freshwater diatom)): 0,05 mg/l  
End point: Growth rate  
Exposure time: 120 h

EC50 (Lemna gibba (duckweed)): 13,9 mg/l  
Exposure time: 7 d

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

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  
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

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LC50: > 85.29  
Species: Apis mellifera (bees)

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

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

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

### Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

### Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts:

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 1,67 mg/l  
Exposure time: 96 h  
Test Type: static test

LC50 (Pimephales promelas (fathead minnow)): 2,88 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 2,9 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 235 mg/l  
Exposure time: 72 h  
Test Type: static test

Toxicity to fish (Chronic toxicity) : NOEC: 0,23 mg/l  
Exposure time: 72 d  
Species: Oncorhynchus mykiss (rainbow trout)  
Test Type: flow-through test

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 1,18 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Test Type: flow-through test

Toxicity to soil dwelling organisms : NOEC: 250 mg/kg  
Exposure time: 14 d  
Species: Eisenia fetida (earthworms)  
Method: OECD Test Guideline 207

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### methanol:

- |  |   |  |
|--|---|--|
| Toxicity to fish   | : | LC50 (Pimephales promelas (fathead minnow)): 15.400 mg/l<br>Exposure time: 96 h        |
| Toxicity to daphnia and other aquatic invertebrates                    | : | EC50 (Daphnia magna (Water flea)): 18.260 mg/l<br>Exposure time: 96 h                  |
| Toxicity to algae/aquatic plants                                       | : | EC50 (Selenastrum capricornutum (green algae)): ca. 22.000 mg/l<br>Exposure time: 96 h |
| Toxicity to microorganisms   | : | EC50 (activated sludge): 19.800 mg/l<br>Exposure time: 96 h                            |
| Toxicity to fish (Chronic toxicity)                                    | : | NOEC: 450 mg/l<br>Exposure time: 28 d<br>Species: Pimephales promelas (fathead minnow) |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : | NOEC: 208 mg/l<br>Exposure time: 21 d<br>Species: Daphnia magna (Water flea)           |

### kaolin:

- |  |   |   |
|--|---|---|
| Toxicity to fish   | : | LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l<br>Exposure time: 96 h<br>Method: OECD Test Guideline 203              |
| Toxicity to daphnia and other aquatic invertebrates                    | : | EC50 (Daphnia magna (Water flea)): > 1.000 mg/l<br>Exposure time: 48 h<br>Method: OECD Test Guideline 202                     |
| Toxicity to algae/aquatic plants                                       | : | EC50 (Raphidocelis subcapitata (freshwater green alga)): > 100 mg/l<br>Exposure time: 72 h<br>Method: OECD Test Guideline 201 |
| Toxicity to microorganisms   | : | Remarks: No data available  |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : | Remarks: No data available  |

## 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. |
|------------------|---|---|

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### Components:

#### **aclonifen (ISO):**

Biodegradability : Result: Not readily biodegradable.  
Remarks: Substance/product is moderately persistent in the environment.  
Primary degradation half-lives are usually several months in aerobic soil and water.

#### **Sodium polynaphthalene sulphonate:**

Biodegradability : Result: Not readily biodegradable.  
Remarks: According to the results of tests of biodegradability this product is not readily biodegradable.

#### **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.

#### **Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts:**

Biodegradability : Inoculum: activated sludge, non-adapted  
Result: Readily biodegradable.  
Method: OECD Test Guideline 301B

#### **methanol:**

Biodegradability : Result: Readily biodegradable.

#### **kaolin:**

Biodegradability : Remarks: The methods for determining biodegradability are not applicable to inorganic substances.

### 12.3 Bioaccumulative potential

#### Product:

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

### Components:

#### **aclonifen (ISO):**

Bioaccumulation : Bioconcentration factor (BCF): 2.893  
Remarks: Low potential for bioaccumulation

Partition coefficient: n-octanol/water : log Pow: 4,37

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

Bioaccumulation : Bioconcentration factor (BCF): 27 - 40  
Remarks: Low potential for bioaccumulation

Partition coefficient: n-octanol/water : log Pow: 2,5

### **Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts:**

Bioaccumulation : Species: Pimephales promelas (fathead minnow)  
Bioconcentration factor (BCF): 87  
Method: OECD Test Guideline 305A  
Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : log Pow: 1,4 (23 °C)  
pH: 6,1

### **methanol:**

Partition coefficient: n-octanol/water : log Pow: -0,77 (20 °C)

### **kaolin:**

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : Remarks: Not applicable

## 12.4 Mobility in soil

### **Product:**

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

### **Components:**

#### **aclonifen (ISO):**

Distribution among environmental compartments : Remarks: immobile

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

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

Stability in soil :

#### **kaolin:**

Distribution among environmental compartments : Remarks: Low mobility in soil

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mental compartments

### 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.

### 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.

### 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.

---

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product	: The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.  Waste, residues, etc. must be collected, stored and disposed of in tightly closed container labeled: "Contains a substance that is covered by the Danish health and safety regulation in terms of cancer risk."
Contaminated packaging	: Empty remaining contents. Do not re-use empty containers. Packaging that is not properly emptied must be disposed of as the unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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### SECTION 14: Transport information

#### 14.1 UN number or ID number

ADN	:	UN 3077
ADR	:	UN 3077
RID	:	UN 3077
IMDG	:	UN 3077
IATA	:	UN 3077

#### 14.2 UN proper shipping name

ADN	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (aclonifen, Clomazone)
ADR	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (aclonifen, Clomazone)
RID	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (aclonifen, Clomazone)
IMDG	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (aclonifen, Clomazone)
IATA	:	Environmentally hazardous substance, solid, n.o.s. (aclonifen, Clomazone)

#### 14.3 Transport hazard class(es)

	Class	Subsidiary risks
ADN	:	9
ADR	:	9
RID	:	9
IMDG	:	9
IATA	:	9

#### 14.4 Packing group

ADN		
Packing group	:	III
Classification Code	:	M7
Hazard Identification Number	:	90
Labels	:	9
ADR		
Packing group	:	III
Classification Code	:	M7
Hazard Identification Number	:	90

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Labels : 9  
Tunnel restriction code : (-)

### RID

Packing group : III  
Classification Code : M7  
Hazard Identification Number : 90  
Labels : 9

### IMDG

Packing group : III  
Labels : 9  
EmS Code : F-A, S-F

### IATA (Cargo)

Packing instruction (cargo aircraft) : 956  
Packing instruction (LQ) : Y956  
Packing group : III  
Labels : Miscellaneous

### IATA (Passenger)

Packing instruction (passenger aircraft) : 956  
Packing instruction (LQ) : Y956  
Packing group : III  
Labels : Miscellaneous

## 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

### 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.



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### 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: ammonium sulphate (Number on list 65)
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 (EC) 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
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#### Other regulations:

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 substance/mixture is subject to the provisions of BEK nr. 1795 of 18/12/2015 (as amended) "Executive order on Measures to Protect Workers from the Risks related to Exposure to Carcinogenic Substances and Materials at Work". The work with this substance/mixture may pose a cancer risk.	:	aclonifen (ISO)
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#### The components of this product are reported in the following inventories:

TCSI	:	Not in compliance with the inventory
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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) aclonifen (ISO) sodium hydroxide
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

H225	:	Highly flammable liquid and vapour.
H301	:	Toxic if swallowed.
H302	:	Harmful if swallowed.
H311	:	Toxic in contact with skin.
H315	:	Causes skin irritation.
H317	:	May cause an allergic skin reaction.
H318	:	Causes serious eye damage.
H319	:	Causes serious eye irritation.
H331	:	Toxic if inhaled.
H332	:	Harmful if inhaled.
H351	:	Suspected of causing cancer.
H370	:	Causes damage to organs.
H400	:	Very toxic to aquatic life.
H410	:	Very toxic to aquatic life with long lasting effects.
H412	:	Harmful to aquatic life with long lasting effects.

### Full text of other abbreviations

Acute Tox.	:	Acute toxicity
Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Carc.	:	Carcinogenicity

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Eye Dam.	: Serious eye damage
Eye Irrit.	: Eye irritation
Flam. Liq.	: Flammable liquids
Skin Irrit.	: Skin irritation
Skin Sens.	: Skin sensitisation
STOT SE	: Specific target organ toxicity - single exposure
2004/37/EC	: Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work
2006/15/EC	: Europe. Indicative occupational exposure limit values
DK OEL	: Denmark. Occupational Exposure Limits
2004/37/EC / TWA	: Long term exposure limit
2006/15/EC / TWA	: Limit Value - eight hours
DK OEL / S	: Exposure period of 15 minutes
DK OEL / GV	: Long term exposure limit

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - 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; TECL - 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

#### Classification of the mixture:

Skin Irrit. 2

H315

#### Classification procedure:

Based on product data or assessment

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Carc. 2	H351	Based on product data or assessment	
Aquatic Acute 1	H400	Based on product data or assessment	
Aquatic Chronic 1	H410	Based on product data or assessment	

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