

According to Regulation (EC) No 1907/2006

# Granit S Spray

Version number: 6.0  
Issued: 2021-09-14  
Replaces SDS: 2018-09-11



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

### 1.1. Product identifier

**Trade name**

Granit S Spray

**UFI code**

HFDG-N783-361P-88TX

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

**Relevant identified uses**

Grill and oven cleaner for professional users.

**Not suitable for use in**

All other uses are discouraged.

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

**Supplier**

KLEEN PURGATIS GmbH

Street address

Dieselstraße 10  
32120 Hiddenhausen  
Germany

Telephone

+49 (0) 5223 9970-40

Email

info@kleen-purgatis.de

Fax

+49 (0) 5223 9970-195

Web site

www.kleenpurgatis.de

**Contact person**

Regulatory Affairs

**Email address**

info@kleen-purgatis.de

### 1.4. Emergency telephone number

+49 (0) 551 - 19240 (GIZ-Nord)

**Available outside office hours**

Yes

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

#### Classification

Skin corrosion, hazard category 1A

#### Hazard statements

H314

### 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

#### Hazard pictograms



#### Signal word

Danger

#### Hazard statements

H314 Causes severe skin burns and eye damage.

#### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P260 Do not breathe spray.

P280 Wear protective gloves/eye protection/face protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

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

P310 Immediately call a POISON CENTER/doctor.

#### More information

Hazardous components which must be listed on the label: potassium hydroxide, disodium metasilicate

### 2.3. Other hazards

This mixture does not contain any substances that are classified as PBT or vPvB according to Article 57 / Annex XIII of the REACH regulation.

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## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Note
disodium metasilicate	6834-92-0 229-912-9 01-2119449811-37-xxxx 014-010-00-8	5 - 10%	Skin Corr. 1B, STOT SE 3 - resp. tract irrit.	H314, H335 - -	-
potassium hydroxide	1310-58-3 215-181-3 01-2119487136-33-xxxx 019-002-00-8	1 - 5%	Acute Tox. 4 - oral, Skin Corr. 1A	H302, H314 - -	Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0,5 % ≤ C < 2 % Eye Irrit. 2; H319: 0,5 % ≤ C < 2 %;
sodium p-cumenesulphonate	15763-76-5 239-854-6 01-2119489411-37-xxxx -	1 - 5%	Eye Irrit. 2	H319 - -	-
1-Propanaminium, 3-amino-N-(carboxymethylo)-N, N-dimethylo-, derivates N-C8-18-acyl	61789-40-0 263-058-8 01-2119488533-30-xxxx -	1 - 5%	Eye Irrit. 2, Aquatic Chronic 3	H319, H412 - -	-
Amines, C12-18 (even numbered) -alkyldimethyl, N-oxides	61788-90-7 931-341-1 01-2119489396-21-xxxx -	1 - <2.5%	Skin Irrit. 2, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 2	H315, H318, H400, H411 - -	-
sodium hydroxide	1310-73-2 215-185-5 01-2119457892-27-xxxx 011-002-00-6	0.5 - <1%	Skin Corr. 1A	H314 - -	Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0,5 % ≤ C < 2 % Eye Irrit. 2; H319: 0,5 % ≤ C < 2 %;

#### **Substance additional information**

For the complete text of H- / EUH-statements mentioned in this section, see section 16.

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Description of first aid measures

First responders: Pay attention to self-protection.

#### Inhalation

Take the victim into fresh air. If symptoms persist, call a physician.

#### Skin contact

Remove contaminated clothing and shoes. In case of contact, immediately flush skin with plenty of water. If skin irritation persists, call a physician.

#### Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.

#### Ingestion

Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. Get medical attention immediately.

#### Information for doctors

Show this safety data sheet to the doctor in attendance.

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

Immediate effects can be expected after long-term exposure.

#### Inhalation

Inhalation of vapours is irritating to the respiratory system, may cause throat pain and cough.

#### Skin contact

Causes severe skin burns. blistering

#### Eye contact

Liquid causes severe inflammation of conjunctiva and may cause severe damage of the cornea.

#### Ingestion

Ingestion of aqueous solution causes gastrointestinal burns.

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

Treat symptomatically. For specialist advice physicians should contact the Poisons Information Service.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

water spray , dry powder , foam , carbon dioxide (CO<sub>2</sub>)

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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## Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

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

Corrosive.

Hazardous decomposition products formed under fire conditions.

## 5.3. Advice for firefighters

### Special protective equipment for fire-fighters

In the event of fire, wear self contained breathing apparatus.

### Measures in case of fire

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

## SECTION 6: Accidental release measures

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

Wear personal protective equipment. Avoid direct contact with the material / product. Ensure adequate ventilation.

### 6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

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

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

### 6.4. Reference to other sections

For information on storage and handling see section 7.

For information on exposure and personal protective equipment, see Section 8.

For information on incompatible materials, see Section 10.

For information on disposal see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Preventive handling precautions

Wear personal protective equipment. Avoid direct contact with the material / product. Ensure adequate ventilation, especially in confined areas.

#### General hygiene

Wash hands after handling.

When using, do not eat, drink or smoke.

Handle in accordance with good industrial hygiene and safety practice.

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

Store in original container.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Keep away from food, drink and animal feeding stuffs.

Store in a place accessible by authorized persons only.

Storage class according to TRGS 510: 8B (non-flammable, corrosive hazardous substances)

Suitable container and packaging materials for safe storage:

Store in original container.

Unsuitable materials for containers: aluminium

Storage temperature: 10°C to 40°C

## 7.3. Specific end use(s)

GISCODE: GG70

See section 1.2: Grill and oven cleaner

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### DNEL/DMEL

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
disodium metasilicate (6834-92-0/229-912-9)	DNEL	Chronic (long term) Dermal	1.49 mg/kg	Workers	Systemic
disodium metasilicate (6834-92-0/229-912-9)	DNEL	Chronic (long term) Inhalation	6.22 mg/m <sup>3</sup>	Workers	Systemic
disodium metasilicate (6834-92-0/229-912-9)	DNEL	Chronic (long term) Oral	0.74 mg/kg	Consumers	Systemic
potassium hydroxide (1310-58-3/215-181-3)	DNEL	Chronic (long term) Inhalation	1 mg/kg	Workers	Local
sodium p-cumenesulphonate (15763-76-5/239-854-6)	DNEL	Chronic (long term) Dermal	136.25 mg/kg	Workers	Systemic
sodium p-cumenesulphonate (15763-76-5/239-854-6)	DNEL	Chronic (long term) Inhalation	26.9 mg/m <sup>3</sup>	Workers	Systemic
sodium p-cumenesulphonate (15763-76-5/239-854-6)	DNEL	Chronic (long term) Oral	3.8 mg/kg	Consumers	Systemic
Amines, C12-18 (even numbered) - alkyldimethyl, N-oxides (61788-90-7/931-341-1)	DNEL	Chronic (long term) Inhalation	1.53 mg/m <sup>3</sup>	Consumers	Systemic
Amines, C12-18 (even numbered) - alkyldimethyl, N-oxides (61788-90-7/931-341-1)	DNEL	Chronic (long term) Oral	0.44 mg/kg	Consumers	Systemic
Amines, C12-18 (even numbered) - alkyldimethyl, N-oxides (61788-90-7/931-341-1)	DNEL	Chronic (long term) Dermal	5.5 mg/kg	Consumers	Systemic
sodium hydroxide (1310-73-2/215-185-5)	DNEL	Chronic (long term) Inhalation	1 mg/m <sup>3</sup>	Workers	Local

#### PNEC/PEC

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
disodium metasilicate (6834-92-0/229-912-9)	PNEC	Freshwater	7.5 mg/l
sodium p-cumenesulphonate (15763-76-5/239-854-6)	PNEC	Freshwater	0.23 mg/l
sodium p-cumenesulphonate (15763-76-5/239-854-6)	PNEC	Sewage Treatment Plant	100 mg/kg

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Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
sodium p-cumenesulphonate (15763-76-5/239-854-6)	PNEC	Sediment (freshwater)	0.862 mg/kg
sodium p-cumenesulphonate (15763-76-5/239-854-6)	PNEC	Soil	0.037 mg/kg
Amines, C12-18 (even numbered) -alkyldimethyl, N-oxides (61788-90-7/931-341-1)	PNEC	Freshwater	0.034 mg/l
Amines, C12-18 (even numbered) -alkyldimethyl, N-oxides (61788-90-7/931-341-1)	PNEC	Soil	1.02 mg/kg
Amines, C12-18 (even numbered) -alkyldimethyl, N-oxides (61788-90-7/931-341-1)	PNEC	Sewage Treatment Plant	24 mg/l

## 8.2. Exposure controls

### **Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas.

### **Eye / face protection**

Safety glasses with side-shields conforming to EN166

### **Hand protection**

Chemical-resistant protective gloves (EN 374)

Suitable material: Butyl (butyl rubber) or NBR (nitrile rubber), category III according to EN 374.

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

### **Other skin protection**

This type of personal protective equipment is not necessary under normal and foreseeable use of the product.

### **Respiratory protection**

This type of personal protective equipment is not necessary under normal and foreseeable use of the product.

### **Thermal hazards**

Not applicable.

### **Environmental exposure controls**

No special environmental precautions required.



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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Physical state

Liquid

#### Colour

light yellow

#### Odour

characteristic

#### Odour threshold

Not determined for the mixture.

#### Melting point / freezing point

Not determined for the mixture.

#### Boiling point or initial boiling point and boiling range

Not determined for the mixture.

#### Flammability

Not determined for the mixture.

#### Lower and upper explosion limit

The product / mixture has no explosive properties.

#### Flash point

No data available

#### Auto-ignition temperature

Not determined for the mixture.

#### Decomposition temperature

Not determined for the mixture.

#### pH

14

#### Kinematic viscosity

Not determined for the mixture.

#### Viscosity, dynamic

0.03 - 0.05 Pa · s

#### **Method**

20 °C

#### Solubility

Water soluble

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## Water solubility

completely miscible

## Partition coefficient n-octanol/water

Not determined for the mixture.

## Vapour pressure

Not determined for the mixture.

## Density and/or relative density

1.15 g/cm<sup>3</sup>

## Relative vapour density

Not determined for the mixture.

## Evaporation Rate

Not determined for the mixture.

## Explosive properties

The product / mixture has no explosive properties.

## Oxidising properties

The product / mixture has no oxidizing properties.

## VOC %

< 3 %

## Particle characteristics

This product / mixture does not contain any nanomaterials or nanoforms as defined in Regulation (EC) 1907/2006.

## 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable at normal conditions

### 10.2. Chemical stability

The product is chemically stable.

### 10.3. Possibility of hazardous reactions

None under normal use.

### 10.4. Conditions to avoid

Avoid temperatures above 60°C, direct sunlight and contact with sources of heat.

### 10.5. Incompatible materials

Strong acids, light metals

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## 10.6. Hazardous decomposition products

For information on combustion products, see Section 5.  
 Hazardous decomposition products formed under fire conditions.

## SECTION 11: Toxicological information

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

Toxicology data for the components:

#### Acute toxicity

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

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline	Remarks
disodium metasilicate 6834-92-0 / 229-912-9	LD50	1.150 - 1.350mg/kg 770 - 820 mg/kg	Oral	-	rat mouse	-	-
potassium hydroxide 1310-58-3 / 215-181-3	LD50	333-388 mg/kg	Oral	-	rat	-	ECHA
sodium p-cumenesulphonate 15763-76-5 / 239-854-6	LD50	> 5.000 mg/kg	Oral	-	rat	OECD 401	-
sodium p-cumenesulphonate 15763-76-5 / 239-854-6	LC50	> 5 mg/l	Inhalation	232 min.	rat	-	-
sodium p-cumenesulphonate 15763-76-5 / 239-854-6	LD50	> 2.000 mg/kg	Dermal	-	rabbit	-	-

#### Skin corrosion/irritation

Causes skin burns.

#### Serious eye damage/irritation

Causes serious eye damage.

#### Germ cell mutagenicity

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

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**Genotoxicity**

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

**Mutagenicity**

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

**Carcinogenicity**

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

**Reproductive toxicity**

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

**STOT-single exposure**

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

**STOT-repeated exposure**

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

**Aspiration hazard**

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

**11.2. Information on other hazards****Endocrine disrupting properties**

The mixture / product does not contain any ingredients with endocrine disrupting properties in terms of regulations (EC) 1907/2006 and (EU) 2018/605 and the delegated regulation (EU) 2017/2100.

**SECTION 12: Ecological information****12.1. Toxicity****Toxicity**

Toxicology data for the components :

**Acute fish toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
disodium metasilicate 6834-92-0 / 229-912-9	LC50	210 mg/l	96h	Brachydanio rerio (zebra fish)	-	-
sodium p-cumenesulphonate 15763-76-5 / 239-854-6	LC50	>100 mg/l	96 h	Rainbow trout	Static test	literature value

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Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
Amines, C12-18 (even numbered) -alkyldimethyl, N-oxides 61788-90-7 / 931-341-1	LC50	1,26 mg/l	96h	Rainbow trout	OECD 203	-

### Acute algae toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
disodium metasilicate 6834-92-0 / 229-912-9	EC50	207 mg/l	72h	Chlorella pyrenoidosa (Alge)	-	-
sodium p-cumenesulphonate 15763-76-5 / 239-854-6	EC50	>100mg/l	96 h	Pseudokirchnerie lla subcapitata	Static test	literature value
Amines, C12-18 (even numbered) -alkyldimethyl, N-oxides 61788-90-7 / 931-341-1	ErC50	0,24 mg/l	72h	Pseudokirchnerie lla subcapitata	OECD 201	-

### Acute crustacean toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
Amines, C12-18 (even numbered) -alkyldimethyl, N-oxides 61788-90-7 / 931-341-1	EC50	2,4 mg/l	48h	Daphnia magna (Water flea)	OECD 202	-
sodium	EC50	40,4 mg/l	48 h	Ceriodaphnia	-	ECHA

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Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline	Remark
hydroxide 1310-73-2 / 215-185-5				dubia (Wasserfloh)		
disodium metasilicate 6834-92-0 / 229-912-9	EC50	1.700 mg/l	48h	Daphnia magna (Water flea)	-	-
sodium p-cumenesulphonate 15763-76-5 / 239-854-6	EC50	>100 mg/l	48 h	Daphnia magna (Water flea)	Static test	literature value

### Micro-/macro organism toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
disodium metasilicate 6834-92-0 / 229-912-9	EC50	>100 mg/l	3h	Bacteria (activated sludge)	-
sodium p-cumenesulphonate 15763-76-5 / 239-854-6	EC10	>1.000 mg/l	3 h	Activated sludge	OECD 209
Amines, C12-18 (even numbered) - alkyldimethyl, N-oxides 61788-90-7 / 931-341-1	EC10	24mg/l	18h	Pseudomonas putida	-

## 12.2. Persistence and degradability

### Persistence and degradability

The surfactants contained in this mixture / product meet the requirements for biodegradability in accordance with Regulation (EC) No. 648/2004 on detergents.

## 12.3. Bioaccumulative potential

### Bioaccumulative potential

No information available

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## 12.4. Mobility in soil

### Mobility

No information available

## 12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are classified as PBT or vPvB according to Article 57 / Annex XIII of the REACH regulation.

## 12.6. Endocrine disrupting properties

The mixture / product does not contain any ingredients with endocrine disrupting properties in terms of regulations (EC) 1907/2006 and (EU) 2018/605 and the delegated regulation (EU) 2017/2100.

## 12.7. Other adverse effects

### Other adverse effects

This product / mixture does not contain any substances within the meaning of Regulation (EC) No. 1005/2009 that deplete the ozone layer.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal considerations

Dispose of as hazardous waste in compliance with local and national regulations.

#### Packaging

Do not re-use empty containers. Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging: Dispose of as unused product.

Waste code	Description
20 01 29*	detergents containing hazardous substances

Please note - an asterisk (\*) next to a code denotes that it is HAZARDOUS WASTE.

## SECTION 14: Transport information

### 14.1. UN number

1814

### 14.2. UN proper shipping name

POTASSIUM HYDROXIDE SOLUTION

#### IMDG proper shipping name

POTASSIUM HYDROXIDE SOLUTION

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## 14.3. Transport hazard class(es)

### Label



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### ADR / RID Class

8

### ADR / RID Classification code

C5

### ADR / RID hazard identification number

80

### IMDG Class

8

### IATA Class

8

### ADN Class

8

## 14.4. Packing group

II

## 14.5. Environmental hazards

### Environmental hazards

The product contains following substances which are hazardous for the environment: Amines, coco alkyldimethyl, N-oxides

### IMDG Marine Pollutant

No

## 14.6. Special precautions for user

Handle in accordance with good industrial hygiene and safety practice.

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

Not applicable.

## Other

### Additional information ADR-RID

LQ: 1L

EQ: E2

Transport category (tunnel restriction code): 2 (E)



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## SECTION 15: Regulatory information

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

#### EU regulations

Regulation (EC) No. 648/2004 (detergents)

Ingredients according to Annex VII: <5% non-ionic surfactants, amphoteric surfactants, phosphates, phosphonates.

Regulation (EC) No. 1272/2008 (CLP)

EU Regulation (EC) No. 1907/2006 (REACH)

Substances subject to authorization according to Annex XIV: not applicable

Substance restrictions according to Annex XVII: not applicable

Substances on the REACH candidate list (SVHC): not applicable

Regulation (EU) No. 528/2012 (BPR)

Active ingredients: not applicable

Regulation (EU) 2019/1148 (explosives)

Restricted raw material according to Annex I: not applicable

Notifiable raw materials according to Annex II: not applicable

Directive 2011/65 / EU (ROHS 2)

Substance restrictions according to Annex II: not applicable

Regulation (EU) 2019/1021 (POP)

Persistent organic pollutants: not applicable

Directive 2012/18/EU (Seveso III)

Seveso hazard category: not applicable

#### National regulations

In addition, comply with all national and local regulations for the handling of chemicals.

#### Other regulations, limitations and legal regulations

Take note of Dir 94/33/EC on the protection of young people at work.

### 15.2. Chemical safety assessment

The mixture has not been subjected to a safety assessment.

## SECTION 16: Other information

#### Changes to previous revision

Adaptation to the amending regulation (EU) 2020/878

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## **Abbreviations**

ADN - Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
ADR - Accord relatif au transport international des marchandises Dangereuses par Route  
CAS - Chemical Abstract Service  
CLP - Classification, Labelling and Packaging  
DMEL - Derived Minimum Effect Level  
DNEL - Derived no effect level  
EC50 - Half maximal effective concentration 50%  
GHS - Globally Harmonised System  
IATA - International Air Transport Association  
IMDG - International Maritime Dangerous Goods  
LC50 - Lethal concentration 50%  
LD50 - Lethal dosis 50 %  
MARPOL - International Convention for the Prevention of Pollution from Ships  
PBT - Persistent, bioaccumulative and toxic substance  
PEC - Predicted Environmental Concentration  
PNEC - predicted no effect concentration  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals  
RID - Reglement concernant le transport international ferroviaire de marchandises Dangereuses  
SVHC - Substance of very high concern  
vPvB - Very persistent, very bioaccumulative substance

## **References to key literature and data sources**

REACH registration dossiers  
ECHA C&L - Inventory  
Safety data sheets from raw material suppliers

## **Evaluation methods for classification**

Classification for mixtures and used evaluation method according to Article 9 of regulation (EC) 1272/2008 [CLP]:  
Health hazards: calculation method

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## **Phrase meaning**

Skin Corr. 1B - Skin corrosion, hazard category 1B  
STOT SE 3 - resp. tract irrit. - Specific Target Organ Toxicity — Single exposure, hazard category 3 - respiratory tract irritation  
Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4  
Skin Corr. 1A - Skin corrosion, hazard category 1A  
Eye Irrit. 2 - Eye irritation, hazard category 2  
Skin Irrit. 2 - Skin irritation, hazard category 2  
Eye Dam. 1 - Serious eye damage, hazard category 1  
Aquatic Acute 1 - Hazardous to the aquatic environment — Acute hazard category 1  
Aquatic Chronic 2 - Hazardous to the aquatic environment — Chronic hazard category 2  
Aquatic Chronic 3 - Hazardous to the aquatic environment — Chronic hazard category 3  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H400 Very toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

## **Other**

### **Additional information**

This safety data sheet is prepared in accordance with Commission Regulation (EU) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878.

### **Manufacturer's notes**

Legal disclaimer: The above information is believed to be correct. This company shall not be held liable for any damage resulting from handling or from contact with the above product.