

**Sanodure Grey NL liq**

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Substance key: KS6680

Revision Date: 03.06.2022

Version : 3 - 3 / EU

Date of printing : 06.03.2023

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

**1.1. Product identifier**

**Trade name**

Sanodure Grey NL liq

**Material number:** 102019

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

**Relevant identified uses of the substance or mixture**

Industry sector : Metal Working Industry  
Type of use : aluminium dye

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

**Identification of the company**

Heubach Colorants Germany GmbH  
Brüningstraße 50  
65929 Frankfurt am Main  
Telephone no. : +49 69 305 13619

**Information about the substance/mixture**

Product Stewardship  
e-mail: SDS.PI.Europe@clariant.com

**1.4. Emergency telephone number**

00800-5121 5121 (24 h)

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**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

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

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.

**2.2 Label elements**

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

Hazard pictograms :



Signal word : Warning

Hazard statements : H317 May cause an allergic skin reaction.

Precautionary statements : **Prevention:**

P261 Avoid breathing mist or vapours.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves.

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**Response:**

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

**Disposal:**

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

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

2-Methylisothiazolin-3-one

**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.

No additional hazards are known except those derived from the labelling.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

Chemical nature : azo dyestuff/chromium complex  
anionic

**Components**

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
2-Methylisothiazolin-3-one	2682-20-4 220-239-6 613-326-00-9 01-2120764690-50	Acute Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 3; H311 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH071	>= 0,0015 - < 0,0025

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		M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 1	
		specific concentration limit Skin Sens. 1A; H317 >= 0,0015 %	

For explanation of abbreviations see section 16.

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**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

- General advice : Get medical advice/ attention if you feel unwell.
- If inhaled : If inhaled, remove to fresh air.
- In case of skin contact : In case of contact, immediately flush skin with plenty of water. Call a physician if irritation persists.
- In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- If swallowed : If swallowed, call a poison control centre or doctor immediately.  
Treat symptomatically.

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

- Symptoms : sensitising effects
- Risks : May cause an allergic skin reaction.

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

- Treatment : Treat symptomatically.

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**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

- Suitable extinguishing media : Product is compatible with standard fire-fighting agents.
- Unsuitable extinguishing media : No restrictions

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

- Specific hazards during : Carbon oxides

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firefighting

Nitrogen oxides (NOx)

Sulphur oxides

None known.

**5.3 Advice for firefighters**

Further information : Cool container and metallic parts with a water spray jet

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**SECTION 6: Accidental release measures**

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

Personal precautions : Wear suitable protective equipment.

**6.2 Environmental precautions**

Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.

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

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Treat recovered material as described in the section "Disposal considerations".

**6.4 Reference to other sections**

Information regarding Safe handling, see chapter 7., For personal protection see section 8., For disposal considerations see section 13.

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**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

Advice on safe handling : No special measures necessary.  
When used and handled appropriately no special measures are needed

Advice on protection against fire and explosion : Observe the general rules of industrial fire protection

Hygiene measures : Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Take off immediately all contaminated clothing and wash it before reuse.

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

Further information on storage conditions : Keep containers tightly closed in a cool, well-ventilated place. Handle and open container with care. Keep away sources of

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ignition.

**7.3 Specific end use(s)**

Specific use(s) : No further recommendations.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

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

Substance name	End Use	Exposure routes	Potential health effects	Value
Sodium Acetate CAS-No.: 127-09-3	Workers	Inhalation	Long-term systemic effects	1057,9 mg/m3
	Remarks:DNEL			
	Workers	Inhalation	Short-term exposure	6347,36 mg/m3
Remarks:DNEL				
	Workers	Skin contact	Long-term systemic effects	12 mg/kg
Remarks:DNEL				
	Workers	Skin contact	Short-term exposure	72 mg/kg
Remarks:DNEL				
	Consumers	Inhalation	Long-term systemic effects	521,73 mg/m3
Remarks:DNEL				
	Consumers	Inhalation	Short-term exposure	3103,45 mg/m3
Remarks:DNEL				
	Consumers	Skin contact	Long-term systemic effects	6 mg/kg
Remarks:DNEL				
	Consumers	Skin contact	Short-term exposure	36 mg/kg
Remarks:DNEL				
	Consumers	Ingestion	Long-term systemic effects	6 mg/kg
Remarks:DNEL				
	Consumers	Ingestion	Short-term exposure	36 mg/kg
Remarks:DNEL				
2-(2-Ethoxyethoxy)ethanol CAS-No.: 111-90-0	Workers	Dermal	Long-term systemic effects	25 mg/kg bw/day
	Remarks:DNEL			
	Workers	Inhalation	Long-term systemic effects	18,3 mg/m3
Remarks:DNEL				
	Workers	Oral	Long-term systemic effects	25 mg/kg bw/day
Remarks:DNEL				

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	Workers	Inhalation	Long-term local effects	9 mg/m3
	Remarks:DNEL			
	Consumers	Dermal	Long-term systemic effects	50 mg/kg bw/day
	Remarks:DNEL			
	Consumers	Inhalation	Long-term systemic effects	37 mg/m3
	Remarks:DNEL			
	Consumers	Inhalation	Long-term local effects	18 mg/m3
	Remarks:DNEL			
2-Methylisothiazolin-3-one CAS-No.: 2682-20-4	Workers	Inhalation	Long-term local effects	0,021 mg/m3
	Remarks:DNEL			
	Workers	Inhalation	Acute local effects	0,043 mg/m3
	Remarks:DNEL			
	Consumers	Inhalation	Long-term local effects	0,021 mg/m3
	Remarks:DNEL			
	Consumers	Oral	Long-term systemic effects	0,027 mg/kg bw/day
	Remarks:DNEL			
	Consumers	Oral	Acute systemic effects	0,053 mg/kg bw/day
	Remarks:DNEL			

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

Substance name	Environmental Compartment	Value
Sodium Acetate CAS-No.: 127-09-3	Fresh water	0,1 mg/l
	Marine sediment	0,01 mg/l
	Sewage treatment plant	720 mg/l
2-(2-Ethoxyethoxy)ethanol CAS-No.: 111-90-0	Fresh water	0,74 mg/l
	salt water	0,074 mg/l
	Water (intermittent release)	10 mg/l
	Sewage treatment plant	500 mg/l
	Fresh water sediment	2,74 mg/kg dry weight (d.w.)
	Marine sediment	0,274 mg/kg dry weight (d.w.)
	Soil	0,15 mg/kg dry weight (d.w.)
2-Methylisothiazolin-3-one CAS-No.: 2682-20-4	Fresh water	0,0039 mg/l
	Marine water	0,0039 mg/l
	Sewage treatment plant	0,23 mg/l
	Soil	0,047 mg/kg dry weight (d.w.)
	Intermittent use/release	0,0039 mg/l

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**8.2 Exposure controls**

**Personal protective equipment**

- Eye protection : Safety glasses
- Hand protection  
Remarks : Chemical resistant gloves 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).
- Skin and body protection : working clothes
- Protective measures : Observe the usual precautions for handling chemicals.

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**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

- Physical state : aqueous-organic solution
- Colour : black
- Odour : not specified
- Odour Threshold : not required
- Melting point : Decomposition: no  
Not applicable
- Boiling point : > 100 °C  
Decomposition: no
- Flammability : Not applicable
- Upper explosion limit / upper flammability limit : not determined
- Lower explosion limit / Lower flammability limit : not determined
- Flash point : Method: Pensky-Martens closed cup  
No flash point - Measure made up to the boiling point.
- Auto-ignition temperature : not determined
- Decomposition temperature : The product does not contain any chemical groups which suggest self-reactive properties, nor is the estimated SADT less than 75 °C, nor is the exothermic decomposition energy higher than 300 J/g.
- pH : approx. 6 (20 °C)  
Concentration: 5 g/l 0,5 %

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Solubility(ies)	
Water solubility	: (20 °C) miscible
Partition coefficient: n- octanol/water	: not determined
Vapour pressure	: not determined
Relative density	: no data available
Density	: 1,13 g/cm <sup>3</sup> (20 °C, 1.013 hPa)
Relative vapour density	: not determined
Particle characteristics	
Particle size	: Not applicable

**9.2 Other information**

Explosives	: no data available
Oxidizing properties	: no data available
Flammable solids	
Burning number	: Not applicable
Metal corrosion rate	: no data available
Evaporation rate	: not determined
Minimum ignition energy	: not determined
Molecular weight	: no data available

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**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

See section 10.3. "Possibility of hazardous reactions"

**10.2 Chemical stability**

Stable

**10.3 Possibility of hazardous reactions**

Hazardous reactions : none

**10.4 Conditions to avoid**

Conditions to avoid : None known.

**10.5 Incompatible materials**

Materials to avoid : not known



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**10.6 Hazardous decomposition products**

When used and handled as intended, none.

**SECTION 11: Toxicological information**

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

**Acute toxicity**

**Product:**

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg  
Method: SANDOZ internal test

Acute dermal toxicity : Remarks: no data available

**Components:**

**2-Methylisothiazolin-3-one:**

Acute oral toxicity : LD50 (Rat): 285,5 mg/kg  
Method: OECD Test Guideline 401

Acute toxicity estimate: Method: Calculation method

Acute inhalation toxicity : LC50 (Rat): 0,11 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403

Assessment: Corrosive to the respiratory tract.

Acute toxicity estimate: Test atmosphere: dust/mist  
Method: Calculation method

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg  
Assessment: The component/mixture is toxic after single contact with skin.

**Skin corrosion/irritation**

**Product:**

Species : Rabbit  
Method : SANDOZ internal test  
Result : No skin irritation

**Components:**

**2-Methylisothiazolin-3-one:**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : Causes burns.

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**Serious eye damage/eye irritation**

**Product:**

Species : Rabbit  
Method : SANDOZ internal test  
Result : No eye irritation

**Components:**

**2-Methylisothiazolin-3-one:**

Result : Risk of serious damage to eyes.  
Remarks : By analogy with a product of similar composition

**Respiratory or skin sensitisation**

**Product:**

Remarks : no data available

**Components:**

**2-Methylisothiazolin-3-one:**

Test Type : Buehler Test  
Exposure routes : Dermal  
Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : The product is a skin sensitiser, sub-category 1A.

Assessment : Toxic if swallowed., Fatal if inhaled., Causes severe skin burns and eye damage.  
May cause an allergic skin reaction.

**Germ cell mutagenicity**

**Product:**

Genotoxicity in vitro : Remarks: no data available

Germ cell mutagenicity-  
Assessment : No information available.

**Components:**

**2-Methylisothiazolin-3-one:**

Genotoxicity in vitro : Test Type: Ames test  
Metabolic activation: with and without metabolic activation  
Result: negative

Test Type: Chromosome aberration test in vitro  
Test system: mammalian cells  
Metabolic activation: with and without metabolic activation  
Result: negative

Test Type: Micronucleus test  
Test system: mammalian cells

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Metabolic activation: with and without metabolic activation  
Result: negative

Germ cell mutagenicity-  
Assessment : In vitro tests did not show mutagenic effects, In vivo tests did not show mutagenic effects

**Carcinogenicity**

**Product:**

Carcinogenicity -  
Assessment : No information available.

**Components:**

**2-Methylisothiazolin-3-one:**

Carcinogenicity -  
Assessment : Not classifiable as a human carcinogen.

**Reproductive toxicity**

**Product:**

Reproductive toxicity -  
Assessment : No information available.

**Components:**

**2-Methylisothiazolin-3-one:**

Effects on fertility : Remarks: This information is not available.

Effects on foetal  
development : Remarks: Based on available data, the classification criteria are not met.

Reproductive toxicity -  
Assessment : No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

**STOT - single exposure**

**Product:**

Remarks : no data available

**Components:**

**2-Methylisothiazolin-3-one:**

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

**STOT - repeated exposure**

**Product:**

Remarks : no data available

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**Components:**

**2-Methylisothiazolin-3-one:**

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

**Repeated dose toxicity**

**Product:**

Remarks : This information is not available.

**Components:**

**2-Methylisothiazolin-3-one:**

Species : Rat  
NOAEL : 25 mg/kg  
Application Route : Oral  
Exposure time : 90 d  
Remarks : By analogy with a product of similar composition

**Aspiration toxicity**

**Product:**

no data available

**Components:**

**2-Methylisothiazolin-3-one:**

No aspiration toxicity classification

**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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**SECTION 12: Ecological information**

**12.1 Toxicity**

**Product:**

Toxicity to fish : LC0 (Oncorhynchus mykiss (rainbow trout)): 100 mg/l  
Exposure time: 48 h  
Method: mod. routine bioassay method of 1.11.74  
  
LC50 (Oncorhynchus mykiss (rainbow trout)): 225 mg/l  
Exposure time: 48 h  
Method: mod. routine bioassay method of 1.11.74

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- Toxicity to daphnia and other aquatic invertebrates : Remarks: no data available
- Toxicity to algae/aquatic plants : Remarks: no data available
- Toxicity to fish (Chronic toxicity) : Remarks: no data available
- Toxicity to microorganisms : IC50 (activated sludge): > 100 mg/l  
End point: Bacteria toxicity (respiration inhibition)  
Method: OECD Test Guideline 209

**Components:**

**2-Methylisothiazolin-3-one:**

- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 4,77 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,934 mg/l  
End point: mortality  
Exposure time: 48 h  
Method: OECD Test Guideline 202
- Toxicity to algae/aquatic plants : NOEC (Pseudokirchneriella subcapitata (green algae)): 0,0104 mg/l  
End point: Biomass  
Exposure time: 96 h  
Method: OECD Test Guideline 201
- EC50 (Pseudokirchneriella subcapitata (algae)): 0,063 mg/l  
End point: Biomass  
Exposure time: 96 h  
Method: OECD Test Guideline 201
- M-Factor (Acute aquatic toxicity) : 10
- Toxicity to microorganisms : EC50 (Bacteria): 31,7 mg/l  
Exposure time: 3 h
- Toxicity to fish (Chronic toxicity) : Remarks: no data available
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: no data available
- M-Factor (Chronic aquatic toxicity) : 1

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**Ecotoxicology Assessment**

Acute aquatic toxicity : Very toxic to aquatic life.

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

**12.2 Persistence and degradability**

**Product:**

Biodegradability : Test Type: aerobic  
Concentration: 400 mg TOC/l  
Biodegradation: approx. 70 %  
Related to: TOC  
Exposure time: 14 d  
Method: HOECHST method

**Components:**

**2-Methylisothiazolin-3-one:**

Biodegradability : Test Type: aerobic  
Result: Not rapidly biodegradable

**12.3 Bioaccumulative potential**

**Product:**

Bioaccumulation : Remarks: not tested.

**Components:**

**2-Methylisothiazolin-3-one:**

Bioaccumulation : Remarks: Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.

**12.4 Mobility in soil**

**Components:**

**2-Methylisothiazolin-3-one:**

Distribution among environmental compartments : Remarks: no data available

**12.5 Results of PBT and vPvB assessment**

**Product:**

Assessment : Remarks: no data available  
: 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:**

**2-Methylisothiazolin-3-one:**

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Assessment : Remarks: no data available

**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:**

Environmental fate and pathways : no data available

Additional ecological information : Product does not contain any organic bound Halogens which could lead to AOX-values.

**Components:**

**2-Methylisothiazolin-3-one:**

Environmental fate and pathways : no data available

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**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

Product : Dispose of in accordance with local regulations.

Contaminated packaging : Consider recycling.

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**SECTION 14: Transport information**

**Section 14.1. to 14.5.**

ADR	not restricted
ADN	not restricted
RID	not restricted
IATA	not restricted
IMDG	not restricted

**14.6. Special precautions for user**

See sections 6 to 8 of this Safety Data Sheet.

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

No transport as bulk according IBC - Code.

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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: Number on list 3
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
Council Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors	:	Neither banned nor restricted
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

**Other regulations:**

Apart from the data/regulations specified in this chapter, no further information is available concerning safety, health and environmental protection.

**15.2 Chemical safety assessment**

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.

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**SECTION 16: Other information**

**Full text of H-Statements**

H301	:	Toxic if swallowed.
H311	:	Toxic in contact with skin.
H314	:	Causes severe skin burns and eye damage.
H317	:	May cause an allergic skin reaction.
H318	:	Causes serious eye damage.
H330	:	Fatal if inhaled.
H400	:	Very toxic to aquatic life.
H410	:	Very toxic to aquatic life with long lasting effects.
EUH071	:	Corrosive to the respiratory tract.

**Full text of other abbreviations**

Acute Tox.	:	Acute toxicity
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Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Eye Dam.	:	Serious eye damage
Skin Corr.	:	Skin corrosion
Skin Sens.	:	Skin sensitisation

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; 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**

**Classification of the mixture:**

Skin Sens. 1

H317

**Classification procedure:**

Calculation method

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**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006



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