Date revised: 06.05.2024

#### MS@S/fda#63464t ild/AR&BdaD@AWDb ReldWERON (EC) No 1907/2006

Page 1 of 12

Trade name: Marabu Contours&Effects 782, 25 ml

Version: 9 / GB

Substance number: 17820009782 Replaces Version: 8 / GB Print date: 29.05.24

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

# 1.1. Product identifier

Marabu Contours&Effects 782, 25 ml

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

# Use of the substance/preparation

Paint

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

#### Address/Manufacturer

Marabu GmbH & Co. KG Asperger Strasse 4 71732 Tamm Germany

Telephone no. +49-7141/691-0

Information provided Department product safety

by / telephone F-mail address of

E-mail address of person responsible

PRSI@marabu.com

for this SDS

# 1.4. Emergency telephone number

(+49) (0)621-60-43333

# SECTION 2: Hazards identification \*\*\*

#### 2.1. Classification of the substance or mixture

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

## 2.2. Label elements

# Labelling according to regulation (EC) No 1272/2008

EUH208 Contains 2-Methyl-2H-isothiazol-3-one, reaction mass of

5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1),

1,2-Benzisothiazol-3(2h)-one, May produce an allergic reaction.

# Supplemental information

# Labelling according to regulation (EU) No 528/2012 \*\*\*

Contains a biocidal product: reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

# 2.3. Other hazards

No special hazards have to be mentioned.

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

# SECTION 3: Composition/information on ingredients

#### 15568/fda#63464t ild/AR&Bda@A/Wiltled/NERon (EC) No 1907/2006

age 2 of 2

Date revised: 06.05.2024

Trade name: Marabu Contours&Effects 782, 25 ml

Version: 9 / GB

Substance number: 17820009782 Replaces Version: 8 / GB Print date: 29.05.24

## 3.2. Mixtures

# Hazardous ingredients

```
Pyridin-2-thiol-1-oxide, sodium salt
```

CAS No. 3811-73-2 EINECS no. 223-296-5

Concentration >= 0,001 < 0,1 %

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

Eye Irrit. 2 H319 Acute Tox. 4 H302 Acute Tox. 3 H331 Aquatic Acute 1 H400 Aquatic Chronic 2 H411 Acute Tox. 3 H311 STOT RE 1 H372 Skin Irrit. 2 H315 Skin Sens. 1 H317

Concentration limits (Regulation (EC) No. 1272/2008)

Aquatic Acuté 1 H400  $\dot{M} = 100$ 

# 1,2-Benzisothiazol-3(2h)-one

CAS No. 2634-33-5 EINECS no. 220-120-9

Concentration < 0,05 %

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

Aquatic Acute 1 H400
Skin Sens. 1 H317
Acute Tox. 4 H302
Skin Irrit. 2 H315
Eye Dam. 1 H318
Acute Tox. 2 H330
Aquatic Chronic 2 H411

Concentration limits (Regulation (EC) No. 1272/2008)

Skin Sens. 1 H317 >= 0,05

## 2-Methyl-2H-isothiazol-3-one

CAS No. 2682-20-4 EINECS no. 220-239-6

Concentration < 0,0015 %

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

Acute Tox. 3 H301 Acute Tox. 2 H330 Skin Corr. 1B H314 Eye Dam. 1 H318 Aquatic Acute 1 H400 Skin Sens. 1A H317 Aquatic Chronic 1 H410 Acute Tox. 3 H311

Concentration limits (Regulation (EC) No. 1272/2008)

Skin Sens. 1A H317 >= 0,0015 Aquatic Acute 1 H400 M = 10

#### reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

CAS No. 55965-84-9

Concentration < 0,001 %

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

## 19868/fdp#63464+iMAR&Bda@AlWOURedWERon (EC) No 1907/2006

Trade name: Marabu Contours&Effects 782, 25 ml

Version: 9 / GB Date revised: 06.05.2024

Substance number: 17820009782 Replaces Version: 8 / GB Print date: 29.05.24

Acute Tox. 2 H330 Aquatic Chronic 1 H410 Aquatic Acute 1 H400 Skin Sens. 1A H317 Skin Corr. 1C H314 Acute Tox. 2 H310 Acute Tox. 3 H301 Eye Dam. 1 H318

Concentration limits (Regulation (EC) No. 1272/2008)

Skin Corr. 1C H314 >= 0.6Eye Irrit. 2 H319 >= 0.06 < 0.6H315 >= 0,06 < 0,6 Skin Irrit. 2 Skin Sens. 1 H317 >= 0,0015 Aquatic Acute 1 H410 M = 100Aquatic Chronic H410 M = 100Eye Dam. 1 H318 >= 0,6 %

# SECTION 4: First aid measures

## 4.1. Description of first aid measures

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.

#### After inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

# After skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

## After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

#### After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

# Adhere to personal protective measures when giving first aid

Use personal protective equipment in case of possible contact with the product (see section 8).

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

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further symptoms are possible.

# 4.3. Indication of any immediate medical attention and special treatment needed Hints for the physician / treatment

Treat symptomatically

# SECTION 5: Firefighting measures

# 5.1. Extinguishing media

## Suitable extinguishing media

Aalcohol resistant foam, CO2, powders, water spray/mist

#### 15568/fda#63464t ild/ARABIDARON (EC) No 1907/2006

age 1 of 2

Date revised: 06.05.2024

Trade name: Marabu Contours&Effects 782, 25 ml

Version: 9 / GB

Substance number: 17820009782 Replaces Version: 8 / GB Print date: 29.05.24

## Non suitable extinguishing media

water jet

# 5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Carbon dioxide (CO2); Carbon monoxide (CO); dense black smoke; Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required.

## 5.3. Advice for firefighters

## Special protective equipment for fire-fighting

Use self-contained breathing apparatus. Wear full chemical protective clothing. Fire fighter's clothing must conform to European standard EN469.

#### Other information

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses.

# SECTION 6: Accidental release measures

# 6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Remove persons to safety. Keep away unprotected persons. Avoid contact with skin, eyes and clothing. Avoid breathing vapours. For emergency responders: Wear personal protective equipment. Use breathing apparatus if exposed to vapours/dust/aerosol.

## 6.2. Environmental precautions

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

# 6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent - avoid use of solvents.

## 6.4. Reference to other sections

Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

# SECTION 7: Handling and storage

# 7.1. Precautions for safe handling

#### Advice on safe handling

Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking shall be prohibited in application area. For personal protection see Section 8. Never use pressure to empty: container is not a pressure vessel. Always keep in containers of same material as the original one. Comply with the health and safety at work laws. Do not allow to enter drains or water courses.

# Advice on protection against fire and explosion

No special measures required.

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

# Requirements for storage rooms and vessels

Store in accordance with national regulation

## Hints on storage assembly

Store away from oxidising agents, from strongly alkaline and strongly acid materials.

## Further information on storage conditions

Observe label precautions. Store between 15 and 30 °C in a dry, well ventilated place away from sources of heat and direct sunlight. Protect from frost. If the storage conditions are not observed, the

#### 网络@S/fda#634444:iMAR@Bld@@AlWDblRed如ERon (EC) No 1907/2006

Trade name: Marabu Contours&Effects 782, 25 ml

Version: 9/GB Date revised: 06.05.2024

Print date: 29.05.24 Replaces Version: 8 / GB Substance number: 17820009782

minimum shelf life is no longer guaranteed. Keep container tightly closed. Keep away from sources of ignition. No smoking. Prevent unauthorised access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

# 7.3. Specific end use(s)

Paint

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

# 8.1. Control parameters

#### Other information

There are not known any further control parameters.

# Derived No/Minimal Effect Levels (DNEL/DMEL) \*\*\*

1,2-Benzisothiazol-3(2h)-one

Derived No Effect Level (DNEL) Type of value

Reference group Consumer Duration of exposure Long term Route of exposure inhalative Systemic effects Mode of action

Concentration mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)

Reference group Worker Duration of exposure Long term Route of exposure inhalative

Mode of action Systemic effects

Concentration 6,81 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)

Reference group Worker Duration of exposure Long term Route of exposure dermal

Systemic effects Mode of action

Concentration 96,9 mg/kg/d

Type of value Derived No Effect Level (DNEL)

Reference group Consumer Duration of exposure Long term Route of exposure dermal

Mode of action Systemic effects

Concentration 0,345 mg/kg/d

#### Predicted No Effect Concentration (PNEC) \*\*\*

1,2-Benzisothiazol-3(2h)-one

Item Numbers: 63414-2135

Type of value **PNEC** Type Freshwater Concentration 0,004

Type of value **PNEC** 

Type

Water (intermittent release) Concentration

0,0011 mg/l

mg/l

Type of value **PNEC** Saltwater Type

Concentration 0,0004 mg/l

#### 网络@S/fda#634444:iMAR@Bld@@AlWDblRed如ERon (EC) No 1907/2006

Trade name: Marabu Contours&Effects 782, 25 ml

Version: 9/GB Date revised: 06.05.2024

Print date: 29.05.24 Replaces Version: 8 / GB Substance number: 17820009782

Type of value

PNEC

Sewage treatment plant (STP) Type

> 1.03 mg/l

**PNFC** Type of value

Freshwater sediment Type

0.0499 mg/kg

**PNEC** Type of value Type Soil

Concentration 3,0 mg/kg

**PNEC** Type of value

Type Marine sediment

Concentration 0,00499 mg/kg

# 8.2. Exposure controls

Concentration

Concentration

## **Exposure controls**

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

#### General protective and hygiene measures

Observe the usual precautions for handling chemicals. Wash hands and / or face before breaks and after work. Take off dirty, soaked clothes immediately. Wash soiled clothing before re-use.

# **Respiratory protection**

If workers could be exposed to concentrations above the exposure limit they should use a respirator to EN 140, fitted with a filter suitable for both particulates and vapours, to EN 14387, with an assigned protection factor of at least 10 (e.g. A2P3) . Selection of any respiratory protective equipment should ensure that it is adequate to reduce exposure to protect the worker's health and is suitable for the wearer, task and environment, including consideration of the facial features of the wearer.

#### Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

Use gloves tested according to EN 374.

For prolonged or repeated handling, use

Appropriate Material

Material thickness Breakthrough time 480 min

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.

Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

#### Eye protection

Use safety eyewear tested according to EN ISO 16321-1 designed to protect against splash of liquids.

# **Body protection**

Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre. Cotton or cotton/synthetic overalls or coveralls are normally suitable.

# **Environmental exposure controls**

#### 15568/fda#63464t ild/AR&Bda@A/Wiltled/NERon (EC) No 1907/2006

Date revised: 06.05.2024

Trade name: Marabu Contours&Effects 782, 25 ml

Version: 9/GB

Print date: 29.05.24 Replaces Version: 8 / GB Substance number: 17820009782

Do not allow to enter drains or water courses.

# SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

liquid Physical state Colour silver colours odourless Odour

**Melting point** 

Not applicable due to nature of the product Remarks

Freezing point

Remarks Not applicable due to nature of the product

Boiling point or initial boiling point and boiling range

Reference substance Water

°C Value 100 appr.

Pressure 1.013 hPa

Source Literature value

**Flammability** Not ignitable

Upper and lower explosive limits

Remarks not determined

Flash point

Remarks Not applicable due to nature of the product

**Auto-ignition temperature** 

Remarks not determined

**Decomposition temperature** 

No decomposition if used as prescribed. Remarks

pH value

8.5 Value to 9,5

Temperature 20

WTW PH 340 Method

**Viscosity** 

kinematic

300 600 mm<sup>2</sup>/s Value to

Temperature 20 °C

derived from dynamic viscosity Method

Solubility(ies)

miscible with water Remarks Partition coefficient n-octanol/water (log value)

Not applicable due to nature of the product Remarks

Vapour pressure

hPa Value 23 appr.

°C Temperature 20

Value taken from the literature Method

Density and/or relative density

Value 1,060 g/cm<sup>3</sup>

Temperature 20  $^{\circ}C$ 

DIN EN ISO 2811 Method

Relative vapour density

#### 网络@S/fda#634444:iMAR@Bld@@AlWDblRed如ERon (EC) No 1907/2006

Version: 9/GB Date revised: 06.05.2024

Print date: 29.05.24 Replaces Version: 8 / GB Substance number: 17820009782

Value >

Trade name: Marabu Contours&Effects 782, 25 ml

Particle characteristics

Remarks Not applicable due to nature of the product

#### 9.2. Other information

#### Other information

None known

# SECTION 10: Stability and reactivity

# 10.1. Reactivity

None

#### 10.2. Chemical stability

Stable under recommended storage and handling conditions (see section 7).

# 10.3. Possibility of hazardous reactions

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

#### 10.4. Conditions to avoid

Protect from heat/overheating. When exposed to high temperatures may produce hazardous decomposition products.

#### 10.5. Incompatible materials

Oxidising agents, strongly alkaline substances, Strongly acidic substances

## 10.6. Hazardous decomposition products

See chapter 5.2 (Firefighting measures - Special hazards arising from the substance or mixture). No decomposition during intended use (see section 1).

# SECTION 11: Toxicological information

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

#### Acute oral toxicity

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

# Acute oral toxicity (Components)

## 1,2-Benzisothiazol-3(2h)-one

**Species** 

LD50 490 mg/kg

Pyridin-2-thiol-1-oxide, sodium salt

ATF 500 mg/kg

# Acute dermal toxicity

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

# Acute dermal toxicity (Components)

# 1,2-Benzisothiazol-3(2h)-one

**Species** 

LD50 4115 mg/kg

Pyridin-2-thiol-1-oxide, sodium salt

ATE 790 mg/kg

#### Acute inhalational toxicity

Item Numbers: 63414-2135

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

# **Acute inhalative toxicity (Components)**

## MS@8/fdp#63464+iMARADda@AlWOURedWERon (EC) No 1907/2006

age 12

Trade name: Marabu Contours&Effects 782, 25 ml

Version: 9 / GB Date revised: 06.05.2024

Substance number: 17820009782 Replaces Version: 8 / GB Print date: 29.05.24

Pyridin-2-thiol-1-oxide, sodium salt

ATE 0,5 mg/l

Administration/Form Dust/Mist

Skin corrosion/irritation

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

Serious eye damage/irritation

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

Sensitization

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

Mutagenicity

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

Reproductive toxicity

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

Carcinogenicity

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

**Specific Target Organ Toxicity (STOT)** 

Single exposure

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

Repeated exposure

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

**Aspiration hazard** 

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

#### 11.2 Information on other hazards

## Endocrine disrupting properties with respect to humans

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

## Other information

There are no data available on the mixture itself.

The mixture has been assessed following the additivity method of the CLP Regulation (EC) No 1272/2008 and classified for toxicological hazards accordingly.

# SECTION 12: Ecological information

# 12.1. Toxicity

#### General information

There are no data available on the mixture itself.Do not allow to enter drains or water courses.The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as dangerous for the environment.

## Fish toxicity (Components)

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Species rainbow trout (Oncorhynchus mykiss)

LC50 0,188 mg/l

Duration of exposure 96 h

1,2-Benzisothiazol-3(2h)-one

Species rainbow trout (Oncorhynchus mykiss)

LC50 2,18 mg/l

Duration of exposure 96 h

**Daphnia toxicity (Components)** 

#### \$\$@\$yfda#£6\$4\$4\$# iMARA&Ud&OQNWUURedWERon (EC) No 1907/2006

Trade name: Marabu Contours&Effects 782, 25 ml

Version: 9 / GB Date revised: 06.05.2024

Substance number: 17820009782 Replaces Version: 8 / GB Print date: 29.05.24

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Species Daphnia magna

EC50 0,126 mg/l

Duration of exposure 48 h

1,2-Benzisothiazol-3(2h)-one

Species Daphnia magna

EC50 2,94 mg/l

Duration of exposure 48 h

Algae toxicity (Components)

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Species Selenastrum capricornutum

EC50 0,027 mg/l

Duration of exposure 72 h

1,2-Benzisothiazol-3(2h)-one

Species Pseudokirchneriella subcapitata

ErC50 0,11 mg/l

Duration of exposure 72 h

12.2. Persistence and degradability

**General information** 

There are no data available on the mixture itself.

12.3. Bioaccumulative potential

**General information** 

There are no data available on the mixture itself.

Partition coefficient n-octanol/water (log value)

Remarks Not applicable due to nature of the product

12.4. Mobility in soil

**General information** 

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment

**General information** 

There are no data available on the mixture itself.

Results of PBT and vPvB assessment

The product contains no PBT substances

The product contains no vPvB substances.

12.6 Endocrine disrupting properties

Endocrine disrupting properties with respect to the envrionment

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

**General information** 

There are no data available on the mixture itself.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Do not allow to enter drains or water courses.

#### 15568/fda#63464t ild/ARABIDARABIDARABIDARADIDERON (EC) No 1907/2006

Page : 1 Af 12

Date revised: 06.05.2024

Trade name: Marabu Contours&Effects 782, 25 ml

Version: 9 / GB

Substance number: 17820009782 Replaces Version: 8 / GB Print date: 29.05.24

Wastes and emptied containers should be classified in accordance with relevant national regulation.

The European Waste Catalogue classification of this product, when disposed of as waste is

EWC waste code 08 01 19\* aqueous suspensions containing paint or varnish containing

organic solvents or other dangerous substances

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

For further information contact your local waste authority.

## Disposal recommendations for packaging

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers.

Empty containers must be scrapped or reconditioned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions.

# SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport	The product does not constitute a hazardous substance in sea transport	The product does not constitute a hazardous substance in air transport
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
Subsidiary risk		-	-
Label			
14.4. Packing group	-	-	-
Transport category	0		

#### Information for all modes of transport

## 14.6. Special precautions for user

Transport within the user's premises:

Always transport in closed containers that are upright and secure.

Ensure that persons transporting the product know what to do in the event of an accident or spillage.

# Other information

# 14.7 Maritime transport in bulk according to IMO instruments

Not applicable

# SECTION 15: Regulatory information

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

VOC

VOC (EU)

0,02

VOC (EU)

0,2 g/l

#### Other regulations, restrictions and prohibition regulations

The product complies with the requirements of the Persistent Organic Pollutants Regulation 2019/1021. The product complies with the requirements of Regulation 2024/590 on substances that deplete the

## 15568/fda#63464+ild/AR&Bda@AlWibbRedWERon (EC) No 1907/2006

Page 12 of 12

Trade name: Marabu Contours&Effects 782, 25 ml

Version: 9 / GB Date revised: 06.05.2024

Substance number: 17820009782 Replaces Version: 8 / GB Print date: 29.05.24

ozone layer.

The product is not subject to Regulation 649/2012 on the export and import of dangerous chemicals.

#### Other information

The product does not contain substances of very high concern (SVHC).

#### 15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

# **SECTION 16: Other information**

# Hazard statements listed in Chapter 3

H301	i oxic it swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

H330 Fatal if inhaled. H331 Toxic if inhaled.

H372 Causes damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.H411 Toxic to aquatic life with long lasting effects.

#### **CLP categories listed in Chapter 3**

Acute Tox. 2	Acute toxicity, Category 2
Acute Tox. 3	Acute toxicity, Category 3
Acute Tox. 4	Acute toxicity, Category 4

Aquatic Acute 1 Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 1 Hazardous to the aquatic environment, chronic, Category 1
Aquatic Chronic 2 Hazardous to the aquatic environment, chronic, Category 2

Eye Dam. 1

Eye Irrit. 2

Skin Corr. 1B

Skin Corr. 1C

Skin Irrit. 2

Skin Sens. 1

Skin Sensitization, Category 1

Skin sensitization, Category 1

STOT RE 1 Specific target organ toxicity - repeated exposure, Category 1

#### Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\* This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information in this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

The product should not be used for purposes other than those shown in Section 1 without first referr

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.