

## SAFETY DATA SHEET

# SÜDWEST Schimmel-Fresser

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### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Trade name SÜDWEST Schimmel-Fresser

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

Alkaline cleaner/ detergent  
Biocidal product

Uses advised against This information is not available.

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

SÜDWEST Lacke + Farben GmbH & Co.KG  
Iggelheimer Str. 13  
D - 67459 Böhl-Iggelheim  
Telephone: +49 6324/709-0  
Telefax: +49 6324/709-175  
[www.suedwest.de](http://www.suedwest.de)

E-mail address of person responsible for the SDS  
European Union [sdb@suedwest.de](mailto:sdb@suedwest.de)

#### 1.4 Emergency telephone number European Union

Phone: +44 (0)1235 239 670

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

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

Corrosive to metals, Category 1 H290: May be corrosive to metals.

Skin irritation, Category 2 H315: Causes skin irritation.

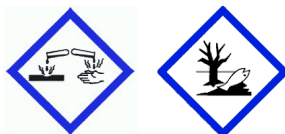
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Serious eye damage, Category 1	H318: Causes serious eye damage.
Short-term (acute) aquatic hazard, Category 1	H400: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard, Category 2	H411: Toxic to aquatic life with long lasting effects.

## 2.2 Label elements

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

Hazard pictograms



Signal word

Danger

Hazard statements

H290 May be corrosive to metals.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H410 Very toxic to aquatic life with long lasting effects.

Precautionary  
statements

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
**Prevention:**  
P260 Do not breathe mist.  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
**Response:**  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/doctor.  
**Disposal:**  
P501 Contents/container to be disposed of through approved disposal contractor or

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taken to municipal collection point.



Hazardous components  
which must be listed on  
the label:



sodium hypochlorite

## Additional Labelling:

EUH206

Warning! Do not use together with other products. May  
release dangerous gases (chlorine).

## 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.

The product is alkaline.

Avoid contact with the skin and the eyes.

Use biocides safely. Always read the label and product information before use.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

Chemical nature

Aqueous sodium hypochlorite solution with < 5% active chlorine

### Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (% w/w)
sodium carbonate	497-19-8 207-838-8 01-2119485498-19-XXXX	Eye Irrit.2; H319	≥ 2,5 - < 5
sodium hypochlorite	7681-52-9 231-668-3 01-2119488154-34-XXXX	Met. Corr.1; H290 Skin Corr.1B; H314 Eye Dam.1; H318 Aquatic Acute1; H400 Aquatic Chronic1; H410	≥ 3 - < 5
caustic soda	1310-73-2 215-185-5 01-2119457892-27-XXXX	Skin Corr.1A; H314 Met. Corr.1; H290 Eye Dam.1; H318	≥ 0,5 - < 1

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Amines, C12-14 (even numbered)- alkyldimethyl, N- oxides	308062-28-4  01-2119490061-47- XXXX	Acute Tox.4; H302 Skin Irrit.2; H315 Eye Dam.1; H318 Aquatic Acute1; H400 Aquatic Chronic2; H411	≥ 0,1 - < 0,25
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For explanation of abbreviations see section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

General advice	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
Inhalation	Remove to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Skin contact	Wash off immediately with plenty of water for at least 15 minutes. Do NOT use solvents or thinners. Take off contaminated clothing and shoes immediately. If symptoms persist, call a physician.
Eye contact	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. In case of eye contact, flush with warm water. Physician should be contacted immediately. Call a physician immediately. Protect unharmed eye. Continue rinsing eyes during transport to hospital.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Obtain medical attention. Keep at rest.

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

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

Treatment  
Treat symptomatically.  
No information available.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing media  
High volume water jet

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

Exposure to decomposition products may be a hazard to health.  
Fire may cause evolution of:  
Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)  
Hydrogen chloride (HCl)  
Chlorine

### 5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus. Complete suit protecting against chemicals

Additional advice

Suppress (knock down) gases/vapours/mists with a water spray jet.  
Use water spray to cool unopened containers.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Do not get in eyes, on skin, or on clothing.  
Use personal protective equipment.  
Ensure adequate ventilation.  
Do not breathe fumes / aerosol  
Wear respiratory protection.

### 6.2 Environmental precautions

The product should not be allowed to enter drains, water courses or the soil.  
If the product contaminates rivers and lakes or drains inform respective authorities.  
Retain and dispose of contaminated wash water.

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

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Sweep up and shovel.  
Clean with detergents. Avoid solvents.

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Never neutralise with the following products:

Acid

Dispose of contaminated material as waste according to item 13.

Clean contaminated surface thoroughly.

Suppress (knock down) gases/vapours/mists with a water spray jet.

## 6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

#### Advice on safe handling

Avoid contact with skin and eyes.

Provide sufficient air exchange and/or exhaust in work rooms.

Comply with the statutory regulations on health and safety at work.

Handle and open container with care.

When diluting, always stir the product into standing water, not water to product.

Do not mix with acids.

Do not re-use empty containers.

#### Hygiene measures

Wash hands before breaks and at the end of workday.

When using do not eat, drink or smoke.

Remove and wash contaminated clothing and gloves, including the inside, before re-use.

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

#### Requirements for storage areas and containers

Prevent unauthorized access.

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

Store in original container.

Provide floor trough without outlet.

Unsuitable materials for containers

Aluminium

Zinc

Suitable material

Polyethylene

Observe label precautions.

Keep in a dry place.

Protect from frost, heat and sunlight.

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Advice on common storage	Keep away from food, drink and animal feedingstuffs. Oxidizing agents Keep away from metals. Keep away from combustible materials. Do not store near acids.
Storage temperature	2 - 8 °C
<b>7.3 Specific end use(s)</b>	For further information, see also Technical Data Sheet for the product.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Contains no substances with occupational exposure limit values. The lists that were valid during the creation were used as basis.

### 8.2 Exposure controls

#### Appropriate engineering controls

Ensure good ventilation; if possible, use / install internal extractor equipment.

#### Individual protection measures, such as personal protective equipment

a) Eye/face protection	Safety glasses with side-shields conforming to EN166
b) Skin protection Hand protection	Break through time: 480 min Minimum thickness: 0,4 mm Gloves made of nitrile rubber, e.g. KCL 730 Camatril® Velours (Kächele-Cama-Latex GmbH, Hotline: 0049(0)6659-87-300, kcl-uk@kcl.de), or equivalent. Skin that comes into contact with the product should be treated with protective cream. After such contact, the product concerned should under no circumstances be used.  The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. 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.
Body Protection	Impervious clothing Alkali-resistant protective clothing

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Remove and wash contaminated clothing before re-use.  
Skin should be washed after contact.  
Preventive skin protection

- c) Respiratory protection Breathing protection equipment required in inadequately ventilated places and during spraying.  
Breathing apparatus needed only when aerosol or mist is formed.  
Respiratory filter for brief exposure:  
Combination filter B-P2  
Respirator with a vapour filter (EN 141)

## Environmental exposure controls

- General advice The product should not be allowed to enter drains, water courses or the soil.  
If the product contaminates rivers and lakes or drains inform respective authorities.  
Retain and dispose of contaminated wash water.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	liquid
Colour	yellow
Odour	chlorous
Odour Threshold	No data available
pH	ca. 12,5 - 13 (20 °C) Method: DIN 19268
Melting point/freezing point	No data available
Initial boiling point and boiling range	60,4 °C
Flash point	Not applicable
Evaporation rate	not applicable
Flammability (solid, gas)	not applicable
Upper explosion limit / Upper flammability limit	Not applicable



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Lower explosion limit / Lower flammability limit	Not applicable
Vapour pressure	No data available
Relative density	No data available
Density	ca. 1,12 g/cm <sup>3</sup> (20 °C)
Solubility(ies) Water solubility	completely miscible
Partition coefficient: n- octanol/water	Not applicable
Auto-ignition temperature	not auto-flammable
Decomposition temperature	> 200 °C
Viscosity Viscosity, dynamic	No data available
Explosive properties	Not explosive
Oxidizing properties	Not applicable

## 9.2 Other information

Metal corrosion rate	Corrosive to metals
Flow time	No data available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

Stable under normal conditions., Decomposes on heating.

### 10.3 Possibility of hazardous reactions

Hazardous reactions	Corrosive in contact with metals Heating can release hazardous gases.
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### 10.4 Conditions to avoid

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Conditions to avoid                      Direct sources of heat.  
Strong sunlight for prolonged periods.  
At higher temperatures, release of chlorine possible

## 10.5 Incompatible materials

Materials to avoid                      Acids  
Metals  
Reducing agents  
Oxidizing agents  
Combustible material

## 10.6 Hazardous decomposition products

Hazardous decomposition              No decomposition if stored and applied as directed.  
products  
Decomposition                              >200 °C  
temperature

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Product:

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

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

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

#### Components:

##### **Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides:**

Acute oral toxicity                      LD50 (Rat): 1.064 mg/kg

#### **Skin corrosion/irritation**

##### Product:

Causes skin irritation.

#### Components:

##### **caustic soda:**

Causes severe skin burns and eye damage.

##### **Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides:**

Causes skin irritation.

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**Serious eye damage/eye irritation****Product:**

Causes serious eye damage.

**Components:****sodium carbonate:**

Causes serious eye irritation.

**caustic soda:**

Causes serious eye damage.

**Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides:**

Causes serious eye damage.

**Respiratory or skin sensitisation****Product:**

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

**Germ cell mutagenicity****Product:**

## Genotoxicity in vitro

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

**Carcinogenicity****Product:**

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

**Reproductive toxicity****Product:**

## Effects on fertility

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

## Developmental Toxicity

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

**STOT - single exposure****Product:**

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

**STOT - repeated exposure****Product:**

Based on available data, the classification criteria are

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not met.

## Aspiration toxicity

### Product:

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

## Experience with human exposure

### Product:

General Information

If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.

## Further information

### Product:

The product itself has not been tested. The mixture is classified in accordance with Annex I to EC Directive 1272/2008. (See sections 2 and 3 for details).

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Product:

Toxicity to fish

No data available

#### Components:

##### **sodium hypochlorite :**

M-Factor (Short-term  
(acute) aquatic hazard) 10

M-Factor (Long-term  
(chronic) aquatic hazard) 1

##### **Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides :**

Toxicity to fish LC50 (Fish): 2,67 mg/l  
Exposure time: 96 h

Toxicity to daphnia and  
other aquatic invertebrates EC50 (Daphnia (water flea)): 3,1 mg/l  
Exposure time: 48 h

Toxicity to algae NOEC ( Algae): 0,067 mg/l  
Exposure time: 28 d

ErC50 (Selenastrum capricornutum (green algae)): 0,82 mg/l

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Exposure time: 72 h

M-Factor (Short-term  
(acute) aquatic hazard) 1

## 12.2 Persistence and degradability

### Product:

Biodegradability rapidly biodegradable, The surfactant(s) contained in this mixture complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

### Components:

#### **Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides :**

Biodegradability Result: rapidly degradable

## 12.3 Bioaccumulative potential

### Product:

Bioaccumulation No data available

## 12.4 Mobility in soil

### Product:

Mobility No data available

## 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 Other adverse effects

### Product:

Additional ecological information The product is alkaline. Even small quantities emptied into the soil can affect the quality of drinking water. Do not use in the direct vicinity of bodies of water. Do not allow the agent or any product residues to enter into waters, the soil or the sewage system. Very toxic to aquatic life with long lasting effects. Eco-toxic effects, in particular aquatic toxicity, are only possible when larger quantities are released into water resulting in a change of the pH-value.

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## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Product	The user is responsible for proper coding and marking of any waste. Partial and residual quantities can be reused. Fluid remains constitute hazardous waste and should not be poured into the sewage system. They should be taken to a local waste disposal site.
Contaminated packaging	Packaging that is not properly emptied must be disposed of as the unused product. Empty packaging should be recycled through disposal systems.
Waste key for the unused product	20 01 29* detergents containing dangerous substances  (* ) hazardous waste in terms of the European directive 91/689/EEC

## SECTION 14: TRANSPORT INFORMATION

### 14.1 UN number

ADR	1719
IMDG	1719
IATA	1719

### 14.2 UN proper shipping name

ADR	CAUSTIC ALKALI LIQUID, N.O.S.  (sodium hydroxide, sodium hypochlorite solution)
IMDG	CAUSTIC ALKALI LIQUID, N.O.S.  (SODIUM HYDROXIDE, SODIUM HYPOCHLORITE SOLUTION)
IATA	Caustic alkali liquid, n.o.s.  (SODIUM HYDROXIDE, SODIUM HYPOCHLORITE

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SOLUTION)

**14.3 Transport hazard class(es)**

ADR 8

IMDG 8

IATA 8

**14.4 Packing group****ADR**

Packing group III

Classification Code C5

Hazard Identification  
Number 80

Labels 8

Tunnel restriction code (E)

**IMDG**

Packaging group III

Labels 8

EmS number F-A, S-B

**IATA**

Packaging group III

Labels 8

**14.5 Environmental hazards****ADR**

Environmentally hazardous yes

**IMDG**

Marine pollutant yes

**14.6 Special precautions for user**

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Remarks This information is not available.

## 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Remarks Not applicable

## Additional advice

ADR ADR: Up to 1 l per inner package, transport as limited quantity in accordance with ADR 3.4.

## SECTION 15: REGULATORY INFORMATION

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

VOC  
Directive 2010/75/EU

Not applicable

VOC  
Directive 2004/42/EC

Regulation (EC)  
No.648/2004 on  
detergents

does not fall under Directive 2004/42/EC  
less than 5 % Chlorine-based bleaching agents  
Amphoteric surfactants  
Phosphonates

Regulation (EC) No  
649/2012 of the European  
Parliament and the Council  
concerning the export and  
import of dangerous  
chemicals

Not applicable

Further notes

Do not use in the direct vicinity of bodies of water. Do not



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allow the agent or any product residues to enter into waters, the soil or the sewage system.  
The effectiveness of the biocide is dependent on correct storage and observation of the use-by date.

Type of product:  
Disinfectants and algaecides not intended for direct application to humans or animals

## Other regulations

Take note of Dir 94/33/EC on the protection of young people at work.  
Take note of Dir 92/85/EEC on the safety and health at work of pregnant workers.

## 15.2 Chemical safety assessment

This information is not available.

## SECTION 16: OTHER INFORMATION

Changes from the previous version are indicated by markings in the left-hand margin.

The information in this Safety Data Sheet corresponds to our present state of knowledge and conforms to both national and EU legislation. The user's working conditions are, however, beyond our knowledge and control. The user is responsible for complying with all necessary legal requirements. The information in this Safety Data Sheet describes the safety requirements of our product and does not constitute any assurance of product properties.

### Full text of H-Statements

H290 : May be corrosive to metals.  
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.  
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.

### Full text of other abbreviations

Acute Tox. : Acute toxicity  
Aquatic Acute : Short-term (acute) aquatic hazard  
Aquatic Chronic : Long-term (chronic) aquatic hazard  
Eye Dam. : Serious eye damage  
Eye Irrit. : Eye irritation  
Met. Corr. : Corrosive to metals  
Skin Corr. : Skin corrosion

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Skin Irrit. : Skin irritation

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; 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; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

## Further information

Other information

It is possible in the interim period that you may find different markings on packaging compared to the Material Safety Data Sheet until stocks have been used up. We ask for your understanding in this matter.

Department issuing  
MSDS  
REG\_EU / EN

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