

Safety data sheet
according to Regulation (EC) No. 1907/2006

Printing date: 03.03.2022


Version number: 1.00

Revision: 03.03.2022

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

- **1.1 Product identifier**
 - **Trade name:** Oesterwinter Flash rust remover
 - **Registration number** This product is a mixture. REACh registration number see section 3.
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
 - **Application of the substance / the mixture** Flash rust remover
 - **Uses advised against**
This product must not be used in applications other than the above without first seeking the advice of the supplier.
- **1.3 Details of the supplier of the safety data sheet**
 - **Manufacturer/Supplier:**
T.Oesterwinter GmbH & Co KG
Glauchauer Strasse 22
33726 Bielefeld
Telefon: +49 (0) 521 331130
Telefax: + 49 (0) 521 331202
E-Mail: mo@oesterwinter.net
 - **Informing department:** mo@oesterwinter.net
- **1.4 Emergency telephone number:**
 - **Telephone number of the company in case of emergencies:** +49 (0) 521 331130

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
The product is classified and labelled according to the CLP regulation.
 - **Classification according to Regulation (EC) No 1272/2008**
Acute Tox. 4 H302 Harmful if swallowed.
Skin Sens. 1 H317 May cause an allergic skin reaction.
- **2.2 Label elements**
 - **Labelling according to Regulation (EC) No 1272/2008**
The product is labelled according to the CLP regulation.
 - **Hazard pictograms**

GHS07
 - **Signal word** Warning
 - **Hazard-determining components of labelling:**
Sodium thioglycolate
 - **Hazard statements**
H302 Harmful if swallowed.

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H317 May cause an allergic skin reaction.

Precautionary statements

- P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P261 Avoid breathing mist.
 P280 Wear protective gloves.
 P264 Wash thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
 P501 Dispose of contents/container to a household waste recycling centre as hazardous waste except for empty containers which can be disposed of by recycling. Contact your local council for details.

• **2.3 Other hazards** None, if used properly.

Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

• **3.1 Substances** Not applicable.

3.2 Mixtures
Dangerous components:

CAS: 367-51-1 EINECS: 206-696-4 Reg.nr.: 01-2119968564-24-XXXX	Sodium thioglycolate	Acute Tox. 3, H301 Met. Corr.1, H290 Acute Tox. 4, H312; Skin Sens. 1, H317	5 – < 10%
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SVHC

This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006 (REACH), Article 57 above the respective regulatory concentration limit of ≥ 0.1 % (w/w).

Regulation (EC) No 648/2004 on detergents / Labelling for contents

perfumes (D-LIMONENE, CITRAL)

• **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures
General information

Instantly remove any clothing soiled by the product.
 In all cases of doubt, or when symptoms persist, seek medical advice.
 Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
 Show safety data sheet if possible.

After inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical advice.
 If unconscious but breathing normally, place in recovery position.

After skin contact

Instantly wash with water and soap and rinse thoroughly.

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

- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** Immediately make victim drink water (two glasses at most). Consult a physician.
- **4.2 Most important symptoms and effects, both acute and delayed**
- **After inhalation** No known effects or symptoms in normal use.
- **After skin contact** May cause an allergic skin reaction.
- **After eye contact** No known effects or symptoms in normal use.
- **After swallowing** Harmful if swallowed.
- **4.3 Indication of any immediate medical attention and special treatment needed**
 Call a doctor or poison control center for guidance.
 Treat symptomatically
 No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
 Water spray jet (if possible, avoid full jet). Adapt the fire-fighting measures to the environmental conditions.
 Commercially available extinguishers are suitable for fighting incipient fires. The product itself does not burn.
- **For safety reasons unsuitable extinguishing agents**
 For this mixture no limitations of extinguishing agents are given.
- **5.2 Special hazards arising from the substance or mixture**
 Hazardous combustion products may include:
 Carbon monoxide (CO) and Carbon dioxide (CO₂)
 hydrogen sulphide
 Inhalation of hazardous decomposition products presents a serious health hazard.
- **5.3 Advice for firefighters**
- **Protective equipment:**
 Select fire fighter's clothing approved to relevant Standards (e.g. Europe: EN469).
 Wear a self-contained breathing apparatus.
 Do not inhale explosion gases or combustion gases.
- **Additional information** No relevant information available.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
 Observe all relevant local and international regulations.
- **For non-emergency personnel**
 For non emergency personnel: Avoid contact with skin, eyes and clothing. Isolate hazard area and deny entry to unnecessary or unprotected personnel.
- **For emergency responders** For emergency responders: Wear protective clothing. See Chapter 8
- **6.2 Environmental precautions:**
 Dilute with much water.

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If large amounts are released contact the fire service.
Do not allow to enter into surface water or drains.

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

Ensure adequate ventilation.
Wipe up with absorbent material (e.g. cloth, fleece, sand, diatomite, acid binders, universal binders).
Collect in closed and suitable containers for disposal.
Dispose of the material collected according to regulations.
Dilute product with plenty of water and rinse away.

• **6.4 Reference to other sections**

See section 7 for information on safe handling.
See section 8 for information on personal protection equipment.
See section 13 for information on disposal.

SECTION 7: Handling and storage

• **7.1 Precautions for safe handling**

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction.
Make sure that all applicable workplace limits are observed.

• **Information about protection against explosions and fires:** No special measures required.

• **Hygiene measures**

Keep away from foodstuffs, beverages and food.
Remove contaminated, saturated clothing immediately.
Wash hands before breaks and after work.

• **Handling**

Observe label precautions.
Read carefully and follow all instructions.

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

• **Storage**

• **Requirements to be met by storerooms and containers:** Store product only in original packaging and closed.

• **Information about storage in one common storage facility:** For incompatible materials see subsection 10.5.

• **Further information about storage conditions:**

Keep locked up and out of reach of children.
Follow national regulations.

• **Recommended storage temperature:** Store dry, between +5 °C and +30 °C

• **Storage class 12**

• **7.3 Specific end use(s)** See section 1.2

SECTION 8: Exposure controls/personal protection

• **8.1 Control parameters**

• **8.1.1 Components with critical values that require monitoring at the workplace:**

CAS: 367-51-1 Sodium thioglycolate

MAK (Austria)	Short-term value: 8 mg/m ³ , 2 ppm Long-term value: 4 mg/m ³ , 1 ppm
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MAK (Germany) als Dampf und Aerosol;vgl. Abschn. IIb

Occupational exposure limits of decomposition products:
CAS: 7783-06-4 hydrogen sulphide

IOELV (European Union)	Short-term value: 14 mg/m ³ , 10 ppm Long-term value: 7 mg/m ³ , 5 ppm
MAK (Austria)	Short-term value: 7 mg/m ³ , 5 ppm Long-term value: 7 mg/m ³ , 5 ppm
AGW (Germany)	Long-term value: 7.1 mg/m ³ , 5 ppm 2(I);EU, DFG, AGS, Y

8.1.2 DNELs
CAS: 367-51-1 Sodium thioglycolate
DNEL Long-term – inhalation, local effects 1.41 mg/m³
8.1.3 PNECs
CAS: 367-51-1 Sodium thioglycolate

PNEC aquatic, freshwater	0.038 mg/l
PNEC sewage treatment plant	3.2 mg/l
PNEC aquatic, marine water	0.0038 mg/l

8.1.4 Ingredients with biological limit values: No data available.

Additional information: The lists that were valid during the compilation were used as basis.

8.2 Exposure controls

Methods for measurement of the workplace atmosphere have to correspond to the requirements of norms DIN EN 482 and DIN EN 689.

8.2.1 Engineering Controls: See section 7. No additional measures necessary.

8.2.2 Individual protection measures, such as personal protective equipment

For special purposes, it is recommended to check the resistance to chemicals of the protective clothing/gloves mentioned below together with the supplier of the PPE.

General protective and hygienic measures

 Keep away from foodstuffs, beverages and food.
Wash hands before breaks and after work.

Breathing equipment:

Respiratory protection normally not required. Avoid inhalation of vapours, spray, gas or aerosols.

Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Full contact:

 Material: Nitrile rubber
Minimum layer thickness: ≥0,11 mm
Break through time: 480 min

Splash contact:

 Material: Nitrile rubber
Minimum layer thickness: ≥0,11 mm
Break through time: 480 min

Material of gloves

The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374, for example KCL 741 Dermatril®L (full contact), KCL 741 Dermatril® L (splash contact). The

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breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types. This recommendation applies only to the product stated in the safety data sheet applied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

- **Eye/face protection** Safety glasses recommended during refilling.
- **Body protection:**
No special requirements under normal use conditions.
Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).
- **8.2.3 Environmental exposure controls** See sections 6 and 7.

SECTION 9: Physical and chemical properties

• 9.1 Information on basic physical and chemical properties

• General Information

- | | |
|---------------------------|--|
| • Physical state | Fluid |
| • Colour: | Pink |
| • Smell: | Sulfurous |
| • Odour threshold: | Not applicable and/or not determined for the mixture |

• 9.1.2 Safety relevant basic data:

- | | |
|---|---|
| • Melting point/freezing point: | Not applicable and/or not determined for the mixture |
| • Boiling point or initial boiling point and boiling range | ≥ 100 °C (H ₂ O) |
| • Flammability | Not applicable and/or not determined for the mixture |
| • Lower and upper explosion limit | |
| • Lower: | Not applicable and/or not determined for the mixture |
| • Upper: | Not applicable and/or not determined for the mixture |
| • Flash point: | Not applicable and/or not determined for the mixture |
| • Ignition temperature: | Product is not selfigniting. |
| • Decomposition temperature: | Not applicable and/or not determined for the mixture |
| • pH at 20 °C | 7.5 – 8.5 (CIPAC MT 75.3) |
| • Acidity/alkalinity: | Not applicable and/or not determined for the mixture |
| • Viscosity: | Not applicable and/or not determined for the mixture |
| • Surface tension: | Not applicable and/or not determined for the mixture |
| • Solubility | |
| • Water: | Fully miscible |
| • Partition coefficient n-octanol/water (log value) | Not applicable and/or not determined for the mixture |
| • Steam pressure at 20 °C: | ≤ 23 hPa (H ₂ O) |
| • Density and/or relative density | |
| • Density at 20 °C | $\geq 1.053 - \leq 1.057$ g/cm ³ (ISO 387) |
| • Vapour density | Not applicable and/or not determined for the mixture |

• 9.2 Other information

- | | |
|--|---------------------------|
| • Appearance: | |
| • Form: | Liquid |
| • Important information on protection of health and environment, and on safety. | |
| • Self-inflammability: | Not determined. |
| • Explosive properties: | Product is not explosive. |

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· Change in condition	
· Cloud point / clarification point:	Not determinate.
· Oxidising properties	Not applicable and/or not determined for the mixture
· Evaporation rate	Not applicable and/or not determined for the mixture
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** See section 10.3.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No hazardous reaction is expected when handled and stored according to provisions, Stable under normal conditions of use.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**
Decomposition products in case of fire: see section 5.
Hazardous decomposition products are not expected to form during normal storage.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity**
The mixture is classified based on calculation method referring to the classified substances present in the mixture.
Harmful if swallowed.

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· Hazardous substances:
· Experimental/calculated data:
CAS: 367-51-1 Sodium thioglycolate

Acute oral toxicity	LD50	> 50 mg/kg bw (rat) (OECD 423)
Acute dermal toxicity	LD50	> 1,000 mg/kg bw (rat) (OECD402)
Acute inhalation toxicity	LC50/4h/dust/mist	> 2,729 mg/l (rat) (OECD403)

· Acute toxicity estimate (ATE(MIX)) - Calculation method:

Acute oral toxicity	ATE mix	500 mg/kg
Acute dermal toxicity	ATE mix	> 10,000 mg/kg
Acute inhalation toxicity	-	(Not relevant)

· Skin corrosion/irritation Substance data, where relevant and available, are listed below:

· Hazardous substances:
· Experimental/calculated data:
CAS: 367-51-1 Sodium thioglycolate

Result/evaluation:	Slightly irritating	(rabbit) (OECD404)
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· Product/Mixture:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

· Classification:

Shall not be classified irritant to skin (Classification criteria not met)

· Serious eye damage/irritation Substance data, where relevant and available, are listed below:

· Hazardous substances:
· Experimental/calculated data:
CAS: 367-51-1 Sodium thioglycolate

Result/evaluation:	Slightly irritating	(rabbit) (OECD 405)
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· Product/Mixture:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

· Classification:

Shall not be classified as eye irritant (Classification criteria not met)

· Respiratory or skin sensitisation Substance data, where relevant and available, are listed below:

· Hazardous substances:
· Experimental/calculated data:
CAS: 367-51-1 Sodium thioglycolate

Result/evaluation:	Skin sensitizer, Category 1	(mousse) (OECD 429)
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· Product/Mixture:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

· Classification:

Skin sensitizer, Category 1 (Skin Sens. 1, H317)

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- **Germ cell mutagenicity**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture. Based on available data, the classification criteria are not met.

- **Carcinogenicity**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture. Based on available data, the classification criteria are not met.

- **Reproductive toxicity**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture. Based on available data, the classification criteria are not met.

- **STOT-single exposure**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture. Based on available data, the classification criteria are not met.

- **STOT-repeated exposure**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture. Based on available data, the classification criteria are not met.

- **Aspiration hazard**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture. Based on available data, the classification criteria are not met.

- **Additional toxicological information:**

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

- **Sensitisation** May cause an allergic skin reaction.

- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

CAS: 128-37-0	Butylated hydroxytoluene	List II
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SECTION 12: Ecological information

- **12.1 Toxicity**

The ecotoxicological properties of this mixture are determined by the ecotoxicological properties of the single components (see section 3).

- **Aquatic toxicity:** Substance data, where relevant and available, are listed below:

- **Hazardous substances:**

- **CAS: 367-51-1 Sodium thioglycolate**

NOEC/96h	100 mg/l (rainbow trout (<i>Oncorhynchus mykiss</i>))
EC50/48 h	38 mg/l (<i>Daphnia magna</i> (water flea)) (OECD Guideline 202)
EC50/72 h	> 100 mg/l (<i>Pseudokirchneriella subcapitata</i>) (OECD Guideline 201 (Alga, Growth Inhibition Test))
LC50/96 h	> 100 mg/l (rainbow trout (<i>Oncorhynchus mykiss</i>)) (OECD 203)

- **Product/Mixture:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

- **Classification:**

Not classified as hazardous to the environment	(Classification criteria not met)
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12.2 Persistence and degradability
Hazardous substances:
CAS: 367-51-1 Sodium thioglycolate

 Biodegradability 60 % (28 d) (OECD301 B CO₂ Evolution Test)

12.3 Bioaccumulative potential
Hazardous substances:
CAS: 367-51-1 Sodium thioglycolate

log Pow < 1 (20 °C)

12.4 Mobility in soil No substance data available

12.5 Results of PBT and vPvB assessment
PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties For information on endocrine disrupting properties see section 11.

12.7 Other adverse effects
Behaviour in sewage processing plants: No substance data available

Respiratory inhibition of communal activated sludge EC 20 (mg/l according to ISO 8192 B):

No substance data available

Additional ecological information:
BSB5-value: Remarks: No data available

General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
13.1.1 Appropriate disposal / Product/Mixture:
Recommendation:

Must not be disposed of together with household garbage. Do not allow product to enter sewage system.

Hand over to disposers of hazardous waste.

Dispose of in accordance with local and national regulations.

List of proposed waste codes/waste designations in accordance with EWC:

07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 06 00	wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
07 06 01*	aqueous washing liquids and mother liquors
20 00 00	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01 00	separately collected fractions (except 15 01)
20 01 29*	detergents containing hazardous substances
15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01 00	packaging (including separately collected municipal packaging waste)
15 01 10*	packaging containing residues of or contaminated by hazardous substances

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HP6	Acute Toxicity
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- **13.1.2 Appropriate disposal / Package:**
- **13.1.2 Recommendation:**
Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.
- **Recommended cleaning agent:** Use water, if necessary with cleaning agent.

SECTION 14: Transport information

- | | |
|---|--|
| · 14.2 UN proper shipping name | |
| · UN number or ID number | |
| · ADR/RID/ADN, ADN, IMDG, IATA | Void |
| · ADR/RID/ADN, ADN, IMDG, IATA | Void |
| · 14.3 Transport hazard class(es) | |
| · ADR/RID/ADN, ADN, IMDG, IATA | |
| · Class | Void |
| · 14.4 Packing group | |
| · ADR/RID/ADN, IMDG, IATA | Void |
| · 14.5 Environmental hazards: | Not applicable. |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. |
| · Transport/Additional information: | Not dangerous according to the above specifications. |
| · UN "Model Regulation": | Void |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **European Regulations and Directives:**
Regulation (EC) No. 1907/2006 (REACH)
Regulation (EC) No. 1272/2008 (CLP, EU GHS)
- **Directive on industrial emissions (VOCs, 2010/75/EU):** $\geq 0.3 - < 0.4$ g/l
- **Regulation (EU) No. 528/2012 on biocides:**
This product does not fall within the scope of the Biocidal Products Regulation (BPR).
- **Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]:**
This product is not classified according to Directive 2012/18/EU.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **National regulations** Additionally, observe any national regulations!
- **Information about limitation of use:**
Observe restrictions to employment for juveniles.
Observe employment restrictions for pregnant and nursing mothers.

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- **Ordinance on Hazardous Substances (12. BImSchV):** See information on Directive 2012/18/EU.
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **Other regulations, limitations and prohibitive regulations**
The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.
- **Self-Service Regulation (BGBl. II No. 251/2015)** Not regulated.
- **15.2 Chemical safety assessment:** A chemical safety assessment was not carried out for the mixture.

SECTION 16: Other information

- **16.1 Indication of changes:** Not applicable (First edition)
- **16.2 Relevant R-, H- and EUH-phrases (number and full text):**
H290 May be corrosive to metals.
H301 Toxic if swallowed.
H312 Harmful in contact with skin.
H317 May cause an allergic skin reaction.
- **16.3 Training hints** Provide adequate information, instruction and training for operators.
- **16.4 Sources of key data used to compile the Safety Data Sheet:**
The quoted data are from, but not limited to, one or more sources of information:
Raw material SDS
Classification & labelling inventory of ECHA (http://echa.europa.eu/clp/c_l_inventory_en.asp)
CEFIC ERICards Database (<http://www.ericards.net>)
eChemPortal (http://www.echemportal.org/echemportal/index?pagelD=0&request_locale=en)
GESTIS database (www.dguv.de/bgia/de/gestis/stoffdb/index.jsp)
Registered substances by ECHA (<http://echa.europa.eu/en/information-on-chemicals/registered-substances>)
- **16.5 Additional Information:**
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

· Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]:

Acute toxicity - oral	The classification of the mixture is generally based on the calculation method using
Skin sensitisation	substance data according to Regulation (EC) No 1272/2008.

- **Department issuing data specification sheet:** Department Regulatory Affairs

· 16.6 Any Abbreviations and acronyms used in this document:

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

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Safety data sheet

according to Regulation (EC) No. 1907/2006

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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; 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

Used abbreviations and acronyms can be looked up at www.euphrac.eu.

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