

Safety data sheet

According to Regulation (EC) No. 1907/2006 (REACH)

Date of issue: 02.05.2019 Supersedes edition of: 04.12.2018

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

1.1 Product identifier

Product name: Lorizid

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

Identified uses: Sanitary cleaner

1.3 Details of the supplier of the safety data sheet

Company: Otto Oehme GmbH
Industriestraße 20
D-90584 Allersberg Deutschland
Tel. +49 9176 98050
info@oehme-lorito.de

1.4 Emergency telephone number

GIZ Nord Poisons Centre, Göttingen Tel. +49 (0) 551 19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Eye Dam. 1, H318

Full text of hazard statements: See under section 16.

2.2 Label elements

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

Hazard pictograms:



Signal word:

Danger

Hazard statements:

H318 Causes serious eye damage.

Precautionary statements:

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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

P310 Immediately call a POISON CENTER or doctor/physician.

Contains: Isotridecanol, ethoxylated.

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2.3 Other hazards

Not known.

SECTION 3: Composition / information on ingredients

Solution in water.

Hazardous components (Regulation (EC) No. 1272/2008)

| <i>Chemical name</i> | | | | Content |
|--|---------------|---------------------|--|---------|
| <i>CAS-No.</i> | <i>EC-No.</i> | <i>EC-Index-No.</i> | <i>Classification</i> | |
| Amidosulfonic acid | | | | < 10 % |
| 5329-14-6 | 226-218-8 | 016-026-00-0 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412 | |
| REACH Registration Number: 01-211-9488633-28 | | | | |
| Isotridecanol, ethoxylated | | | | < 5 % |
| 69011-36-5 | 500-241-6 | | Eye Dam. 1, H318 Acute Tox. 4, H302 | |
| REACH Registration Number: 02-2119552461-55 | | | | |

Full text of hazard statements: See under section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation: Fresh air. Call in physician if feeling unwell.

After skin contact: Wash off with plenty of water. Remove contaminated clothing. Consult a physician if skin irritations occur.

After eye contact: Rinse out with plenty of water with the eyelid held wide open. Call in ophthalmologist immediately.

After swallowing: Make victim drink plenty of water (two glasses at most), avoid vomiting. Call in physician.

4.2 Most important symptoms and effects, both acute and delayed

Irritant effects, cough, shortness of breath, pain, shock, nausea.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

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

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Unsuitable extinguishing media

For this substance / mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Not Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Advice for firefighters*Special protective equipment for firefighters*

Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.

Further information

Prevent fire-fighting water from entering surface water or groundwater.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Caution: Risk of slipping.

Do not inhale vapours/aerosols. Avoid substance contact. Use personal protective equipment as required, see section 8.2. Ensure supply of fresh air in enclosed rooms. In case of inadequate ventilation wear respiratory protection.

6.2 Environmental precautions

Do not get undiluted into sewerage system.

6.3 Methods and material for containment and cleaning up

Take up with incombustible liquid-absorbent material. Forward for disposal. Clean up affected area.

6.4 Reference to other sections

Indications about waste treatment see section 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling***Notes for safe handling*

Ensure adequate ventilation. Avoid contact with skin and eyes. Do not inhale vapours/aerosols. Avoid generation of vapours/aerosols. See section 8.

Notes for prevention of fire and explosion

Not required.

7.2 Conditions for safe storage, including any incompatibilities

Store cool above 5 °C. Keep away from sun and heat.
Tightly closed in a well-ventilated place.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Individual protection measures

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Eye / face protection:

Tightly fitting safety goggles (EN 166).

Hand protection:

Material: Nitrile rubber.

Thickness: 0.1 mm

Breakthrough time: > 480 min

The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN 374, e.g. Franz Mensch Nitrile Safe Premium.

This recommendation applies only to the product stated in the safety data sheet supplied 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.

Respiratory protection:

Required when vapours/aerosols are generated. Filter A2 P2 (EN 14387).

Hygiene measures

Change contaminated clothing. Apply skin- protective barrier cream. Wash hands after working with substance.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|----------------------|-----------------------|
| Form: | liquid |
| Colour: | red |
| Odour: | perfumed |
| pH value | 1 |
| Melting point | not specified |
| Boiling point | not specified |
| Ignition temperature | not applicable |
| Flash point | not applicable |
| Explosion limits | lower |
| | upper |
| Density (23 °C) | ~ 1 g/cm ³ |
| Viscosity, dynamic | not specified |
| Solubility in water | soluble |

9.2 Other information

None.

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SECTION 10: Stability and reactivity

10.1 Reactivity

See section 10.3.

10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature).

10.3 Possibility of hazardous reactions

Risk of explosion with: Chlorine.

Exothermic reaction with: Halogens, alkalines, oxidizing agents, nitrates, nitrites, nitric acid, metals, water, strong bases.

10.4 Conditions to avoid

Strong heating (decomposition).

10.5 Incompatible materials

Metals. Corrosive substances, halogenes, bases, acids, reactive chemicals.

10.6 Hazardous decomposition products

See section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity

LD₅₀ rat: > 2000 mg/kg (OECD 401; Amidosulfonic acid)

Symptoms: Mucosal irritations in mouth, throat, oesophagus and gastrointestinal tract, pain, shock.

LD₅₀ rat: 500 – 2000 mg/kg (OECD 423; Isotridecanol, ethoxylated)

Acute dermal toxicity

Symptoms: Dermatitis, drying-out effect resulting in rough and chapped skin.

LD₅₀ rat: > 2000 mg/kg (OECD 402; Amidosulfonic acid)

Acute inhalation toxicity

Symptoms: Cough, shortness of breath, irritant effects on respiratory tract.

Skin irritation

Rabbit: Irritations (OECD 404; Amidosulfonic acid).

Causes skin irritations.

Rabbit: No irritation (OECD 404; Isotridecanol, ethoxylated).

Eye irritation

Rabbit: Strong irritations (OECD 405; Amidosulfonic acid).

Causes serious eye irritations.

Rabbit: Eye irritation (OECD 405; Isotridecanol, ethoxylated).

Causes serious eye irritation.

Genotoxicity in vivo

Mutagenicity (mammal cell test): Mouse: Negative (OECD 474; Amidosulfonic acid).

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Genotoxicity in vitro

Ames test: Salmonella typhimurium: Negative (OECD 471; Amidosulfonic acid).
Mutagenicity (mammal cell test): Negative (OECD 476; Amidosulfonic acid).
Mutagenicity (mammal cell test): Micronucleus: Negative (OECD 487; Amidosulfonic acid).

Specific target organ toxicity – single exposure

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

Specific target organ toxicity – repeated exposure

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

Aspiration hazard

No aspiration toxicity classification.

11.2 Further information

After Uptake: Nausea.

Further hazardous properties cannot be excluded. The product should be handled with the care usual when dealing with chemicals.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish

Pimephales promelas LC₅₀: 70.3 mg/l /48 h (OECD 203; Amidosulfonic acid)
Leuciscus idus LC₅₀: 1 – 10 mg/l /96 h (external MSDS; Isotridecanol, ethoxylated)

Toxicity to daphnia and other aquatic invertebrates

Daphnia magna: EC₅₀: 71.6 mg/l /48 h (OECD 202; Amidosulfonic acid).
Aaquatic invertebrates: EC₅₀: 1 – 10 mg/l /48 h (external MSDS; Isotridecanol, ethoxylated)

Toxicity to algae

EC₅₀: 1 – 10 mg/l /72 h (external MSDS; Isotridecanol, ethoxylated)

Toxicity to bacteria

Pseudomonas putida EC₁₀: >= 1000 mg/l /16 h (IUCLID; Amidosulfonic acid)
Activated sludge EC₁₀: > 200 mg/l /3 h (OECD 209; Amidosulfonic acid).
Activated sludge: EC₁₀: > 10000 mg/l /17 h (DIN 38412 (8); Isotridecanol, ethoxylated)

12.2 Persistence and degradability

Biodegradability

The surfactants contained in this preparation complies 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.

Biodegradation: > 60 % / 28 d (OECD 301B; Isotridecanol, ethoxylated)
Readily biodegradable (Isotridecanol, ethoxylated)

12.3 Bioaccumulative potential

Partition coefficient: n-octanol / water: log P_{ow}: 0.10 (external MSDS; Amidosulfonic acid).

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No bioaccumulation is to be expected (Amidosulfonic acid).
No bioaccumulation is to be expected (external MSDS; Isotridecanol, ethoxylated).

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

PBT / vPvB assessment not available as chemical safety assessment not required / not conducted.

12.6 Other adverse effects

Further information on ecology

COD: 2.1 g/g (external MSDS; Isotridecanol, ethoxylated).

Do not allow to enter waters, waste water, or soil!

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product:

Chemicals must be disposed of in compliance with the respective national regulations.

Code of the waste

200129*

070601*

Name according to directive 2000/532/EC:

detergents containing dangerous substances.

aqueous washing liquids and mother liquors.

Packaging:

Product packaging must be disposed of in compliance with the country-specific regulations or must be to a packaging return system.

Code of the waste

200139

Name according to directive 2000/532/EC:

plastics.

SECTION 14: Transport information

Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information

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

EU regulations

Ingredients according to Regulation (EC) on detergents No. 648/2004:

Non-ionic surfactants: Less than 5 %

Perfumes.

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out.

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SECTION 16: Other information

Reason for alteration:

SECTION 6: Accidental release measures

SECTION 10: Stability and reactivity

Full text of hazard statements referred to under sections 2 and 3:

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.