

SAFETY DATA SHEET

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

Revision date: 21 Feb 2023

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Version: 1



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

1.1. Product identifier

Trade name/designation:

Lorizid

Article No.:

348

UFI:

KQM5-6M25-9HSD-QGHW

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

No data available

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Otto Oehme GmbH

FEA

Industriestr. 20

90584 Allersberg

Germany

Telephone: 09176/98050

Telefax: 09176/980555

E-mail: Info@Oehme-Lorito.de

Website: www.Oehme-Lorito.de

1.4. Emergency telephone number

No data available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation (<i>Skin Corr. 1</i>)	H314: Causes severe skin burns and eye damage.	
Serious eye damage/eye irritation (<i>Eye Dam. 1</i>)	H318: Causes serious eye damage.	

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS05

Corrosion

Signal word: Danger

Hazard statements for health hazards

H314 Causes severe skin burns and eye damage.

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Supplemental hazard information: none

Precautionary statements Prevention

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

Precautionary statements Response

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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.

Additional information:

Contains: Isotridecanol, ethoxylated

2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 5329-14-6 EC No.: 226-218-8 Index No.: 016-026-00-0	sulphamidic acid Aquatic Chronic 3 (H412), Eye Irrit. 2 (H319), Skin Irrit. 2 (H315) ⚠ Warning	5 - ≤ 15 weight-%
CAS No.: 69011-36-5	Isotridecanol, ethoxylated Acute Tox. 4 (H302), Eye Dam. 1 (H318) ⚠ Danger	1 - ≤ 5 weight-%
CAS No.: 5949-29-1 REACH No.: 01-2119457026-42	CITRONENSÄUREMONOHYDRAT Eye Irrit. 2 (H319) ⚠ Warning	1 - ≤ 5 weight-%

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended. Warning First aider: Pay attention to self-protection!

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

In case of skin contact:

If skin irritation or rash occurs: Get medical advice/attention. After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing. Get immediate medical advice/attention.

After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Following ingestion:

Get medical advice/attention if you feel unwell. Let 1 glass of water be drunken in little sips (dilution effect). Rinse mouth immediately and drink 1 glass of of water. Do NOT induce vomiting. Get immediate medical advice/attention.

Self-protection of the first aider:

Use personal protection equipment.

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

Skin corrosion/irritation Serious eye damage/eye irritation

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Adjust to the environment

Unsuitable extinguishing media:

There are no restrictions on extinguishing agents for this mixture

5.2. Special hazards arising from the substance or mixture

Non-flammable. In case of fire hazardous combustion gases or vapors possible

Hazardous combustion products:

In case of fire: Gases/vapours, toxic

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Remove persons to safety.

Protective equipment:

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

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

6.5. Additional information

Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Wear personal protection equipment (refer to section 8).

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

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7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

Storage class (TRGS 510, Germany): 8B - Non-combustible corrosive substances

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

No data available

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
sulphamidic acid CAS No.: 5329-14-6 EC No.: 226-218-8	70.5 mg/m ³	① DNEL worker ② Long-term - inhalation, systemic effects
sulphamidic acid CAS No.: 5329-14-6 EC No.: 226-218-8	17.4 mg/m ³	① DNEL Consumer ② Long-term - inhalation, systemic effects
sulphamidic acid CAS No.: 5329-14-6 EC No.: 226-218-8	10 mg/kg bw/ day	① DNEL worker ② Long-term - dermal, systemic effects
sulphamidic acid CAS No.: 5329-14-6 EC No.: 226-218-8	5 mg/kg bw/ day	① DNEL Consumer ② Long-term - dermal, systemic effects
sulphamidic acid CAS No.: 5329-14-6 EC No.: 226-218-8	5 mg/kg	① DNEL Consumer ② Long-term - oral, systemic effects

Substance name	PNEC Value	① PNEC type
sulphamidic acid CAS No.: 5329-14-6 EC No.: 226-218-8	1.8 mg/L	① PNEC aquatic, freshwater
sulphamidic acid CAS No.: 5329-14-6 EC No.: 226-218-8	0.18 mg/L	① PNEC aquatic, marine water
sulphamidic acid CAS No.: 5329-14-6 EC No.: 226-218-8	20 mg/L	① PNEC sewage treatment plant
sulphamidic acid CAS No.: 5329-14-6 EC No.: 226-218-8	8.36 mg/kg	① PNEC sediment, freshwater
sulphamidic acid CAS No.: 5329-14-6 EC No.: 226-218-8	0.84 mg/kg	① PNEC sediment, marine water
sulphamidic acid CAS No.: 5329-14-6 EC No.: 226-218-8	5 mg/kg	① PNEC soil
sulphamidic acid CAS No.: 5329-14-6 EC No.: 226-218-8	0.48 mg/L	① PNEC aquatic, intermittent release

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8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection EN 166

Skin protection:

Tested protective gloves must be worn EN ISO 374 Suitable material: Breakthrough time: min In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

8.2.3. Environmental exposure controls

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: red

Odour: scented

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	≈ 1		
Melting point	No data available		
Freezing point	No data available		
Initial boiling point and boiling range	No data available		
Flash point	No data available		
Evaporation rate	No data available		
Auto-ignition temperature	No data available		
Upper/lower flammability or explosive limits	No data available		
Vapour pressure	No data available		
Vapour density	No data available		
Density	≈ 1 g/cm ³	20 °C	
Bulk density	not applicable		
Water solubility	miscible		
Dynamic viscosity	No data available		
Kinematic viscosity	No data available		

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

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

10.4. Conditions to avoid

Avoid high temperatures or direct sunlight.

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10.5. Incompatible materials

Aluminum, iron, ferrous compounds, steel. Hydrogen is given off through reaction with metals.
Corrosives, halogens, alkalis, acids, reactive chemicals

10.6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information

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

sulphamic acid CAS No.: 5329-14-6 EC No.: 226-218-8
LD₅₀ oral: 2,140 mg/kg (Ratte)
LD₅₀ dermal: >2,000 mg/kg (Ratte)
Isotridecanol,ethoxylated CAS No.: 69011-36-5
LD₅₀ oral: 300 - 2,000 mg/kg (Ratte)
LD₅₀ dermal: >2,000 mg/kg (Ratte)
CITRONENSÄUREMONOHYDRAT CAS No.: 5949-29-1
LD₅₀ oral: 5,400 mg/kg (Maus) OECD 401
LD₅₀ dermal: >2,000 mg/kg (Maus) OECD 401

Acute oral toxicity:

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

Acute dermal toxicity:

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

Acute inhalation toxicity:

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

Skin corrosion/irritation:

Causes severe skin burns and eye damage.

Serious eye damage/irritation:

Causes serious eye damage.

Respiratory or skin sensitisation:

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

Germ cell mutagenicity:

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

Carcinogenicity:

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

Reproductive toxicity:

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

STOT-single exposure:

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

STOT-repeated exposure:

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

Aspiration hazard:

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

Additional information:

No data available

11.2. Information on other hazards

No data available

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SECTION 12: Ecological information

12.1. Toxicity

sulphamic acid CAS No.: 5329-14-6 EC No.: 226-218-8
LC ₅₀ : 70.3 mg/L 4 d (fish)
EC ₅₀ : 71.6 mg/L 4 d (crustaceans)
ErC ₅₀ : 48 mg/L 3 d (Algae/water plant, Desmodemus subspicatus)
NOEC: ≥60 mg/L 28 d (fish)
NOEC: ≥19 mg/L 21 d (crustaceans)
LOEC: 34 mg/L 21 d (crustaceans)
LC ₅₀ : 70.3 mg/L 4 d
EC ₅₀ : 33.8 mg/L 3 d (Algae/water plant, Desmodemus subspicatus)
EC ₅₀ : 71.6 mg/L 2 d (Daphnia magna)
NOEC: 19 mg/L 21 d (Daphnia magna)
LOEC: 34 mg/L 21 d (Daphnia magna)
Isotridecanol,ethoxylated CAS No.: 69011-36-5
LC ₅₀ : >1 - 10 mg/L 4 d (fish, Leuciscus idus)
EC ₅₀ : >1 - 10 mg/L 2 d (crustaceans)
EC ₅₀ : >1 - 10 mg/L 3 d (Algae/water plant)
NOEC: >1 mg/L 21 d (crustaceans)
LC ₅₀ : >1 - 10 mg/L (fish, Daphnia magna)
LC ₅₀ : >1 - 10 mg/L (fish)
EC ₅₀ : >1 - 10 mg/L 2 d (fish, Daphnia magna)
NOEC: >1 mg/L (Algae/water plant, Daphnia magna)
CITRONENSÄUREMONOHYDRAT CAS No.: 5949-29-1
LC ₅₀ : 440 mg/L 2 d (fish, Goldorfe) OECD 203
LC ₅₀ : 1,535 mg/L (crustaceans, Daphnia magna) 24h

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

CITRONENSÄUREMONOHYDRAT CAS No.: 5949-29-1
Log K _{ow} : ≤ -1.8

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

sulphamic acid CAS No.: 5329-14-6 EC No.: 226-218-8
Results of PBT and vPvB assessment: —
Isotridecanol,ethoxylated CAS No.: 69011-36-5
Results of PBT and vPvB assessment: —
CITRONENSÄUREMONOHYDRAT CAS No.: 5949-29-1
Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

No data available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

20 01 29 *	Detergents containing hazardous substances
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*: Evidence for disposal must be provided.

Waste code packaging

20 01 39	plastics
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Waste treatment options

Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments

Additional information:

The transport regulations are quoted according to international regulations and in the form in which they are used in Germany. Possible deviations in other countries are not taken into account.

SECTION 15: Regulatory information

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

15.1.1. EU legislation

Other regulations (EU):

Ingredients according to the Detergents Regulation 648/2004/EG:

Nonionic surfactants: less than 5%

perfumes

15.1.2. National regulations

[DE] National regulations

Restrictions of occupation

Beschäftigungsbeschränkungen für Jugendliche nach JArbSchG beachten.

Beschäftigungsbeschränkungen für werdende und stillende Mütter nach MuSchArbV beachten.

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Water hazard class

WGK:

1 - slightly hazardous to water

Technische Regeln für Gefahrstoffe

TRGS 500 Schutzmaßnahmen: Mindeststandards

DGUV Vorschrift 1 Grundsätze der Prävention

DGUV Regel 112-189 Benutzung von Schutzkleidung

DGUV Regel 112-190 Benutzung von Atemschutzgeräten

DGUV Regel 112-192 Benutzung von Augen- und Gesichtsschutz

DGUV Regel 112-195 Benutzung von Schutzhandschuhen

Berufsgenossenschaftliche Vorschriften (DGUV-Vorschriften)

Merkblatt BG Chemie: M004 Reizende Stoffe/Ätzende Stoffe

M050 Umgang mit gesundheitsgefährlichen Stoffen

M053 Allgemeine Arbeitsschutzmaßnahmen für den Umgang mit Gefahrstoffen.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out for this product.

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

No data available

16.3. Key literature references and sources for data

No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation (<i>Skin Corr. 1</i>)	H314: Causes severe skin burns and eye damage.	
Serious eye damage/eye irritation (<i>Eye Dam. 1</i>)	H318: Causes serious eye damage.	

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
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.

16.6. Training advice

No data available

16.7. Additional information

The information is based on our current level of knowledge and is used to describe the product with regard to the safety precautions to be taken. They do not represent a guarantee of the properties of the product described.

It is the responsibility of the recipient of our product to observe existing laws and regulations.