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

- **Informations to product No. 3037**
- **Product name:**

Lotio zinci oxidati SR
Hydrophiles Zinkoxid-Liniment 25% (NRF 11.109.) (kons.)

- **Supplier of the Product / responsible Company:**

Caesar & Loretz GmbH
Herderstr. 31
40721 Hilden
Tel.: 02103/4994-0
Fax: 02103/32360
e-mail: info@caelo.de

- **Emergency telephone:**

Giftinformationszentrum Mainz
Langenbeckstr. 1, 55131 Mainz
Tel.: 06131/19240

- **Relevant identified uses of the substance or mixture and uses advised against:**

No further relevant information available.

- **Application of the substance / mixture:**

Ingredient for pharmaceutical drugs or active pharmaceutical ingredient.

2 Hazards identification

- **Hazards identification:** The substance is not classified as dangerous according to European Union legislation.

3 Composition / information on ingredients

- **Chemical characterization**

CAS-No. Substance name

1314-13-2 Zinc oxide (GHS09, H410) (25%)

- **EINECS-No.:** 215-222-5
- **Index-Nr.:** 030-013-00-7
- **REACH Reg.-No.:** 01-2119463881-32-0000
- **INCI-Name:** Zinc Oxide

CAS-No. Substance name

56-81-5 Glycerol (4,25% as 5% glycerol 85%)

- **EINECS-No.:** 200-289-5
- **REACH Reg. No.:** 01-2119471987-18-0000
- **INCI-Name:** Glycerin

CAS-No. Substance name

7732-18-5 Water (55,75% resp. 55% acc. to formulation)

- **EINECS-No.:** 231-791-2
- **REACH Reg. No.:** Exempted from the obligation to register according to Annex 4 / 5 REACH-regulation.

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· **INCI-Name:** Aqua

CAS-No. Substance name

- Nichtionische hydrophile Creme SR: 15% (Mixture of: emulgant cetyl and stearyl alcohol 9%, liquid paraffin 10,5%, vaselin 10,5%, water 70%, sorbic acid and potassium sorbate < 0,1% each)

4 First aid measures

- **after inhalation:** Not relevant.
- **after skin contact:** Rinse off with water.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open.
- **after swallowing:** Drink water. Induce vomiting. Seek medical advice.

5 Fire-fighting measures

- **Suitable extinguishing media:** All regular extinguishing media can be used. Select fire fighting measures suitable to surrounding environment.
- **Specific hazards during fire fighting:** Not combustible. In case of fire dangerous vapours/gases can be generated: Smoke gases, Zinc oxide fume.
- **Additional information:** Prevent fire extinguishing water from contaminating surface water, the ground water system or soil. Residues must be deposited according to local regulations.

6 Accidental release measures

- **Environmental protective measures:** Prevent from entering into drainage ditch.
- **Methods for cleaning:** Absorb with liquid-binding material: Sand, silica gel, acid binder, universal binder, saw dust.

7 Handling and storage

- **Handling:** No special requirements.
- **Informations to fire or explosion protection:**
No special measures required.
- **Storage:**
- **Requirements for storage areas and containers:**
Tightly closed. Store at a dry place. At room temperature (+15°C to +25°C).
- **Advices on common storage:** Not required.

8 Exposure controls / personal protective equipment

Components with limit values that require monitoring at the workplace:

Zinc oxide (CAS: 1314-13-2), 25%, MAK = 1 mg/cbm. Special protection measures are not required, because development of dust is not likely.

- **Personal protective equipment:**
- **General protective and hygiene measures:** The usual precaution measures during handling of chemicals are to observe.
- **Respiratory protection:** Not required.

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- **Hand protection:** Not required.
- **Eye protection:** Safety glasses.

9 Physical and chemical properties

- **Form:** paste
- **Colour:** white
- **Odour:** odourless
- **Melting point / melting range:** not determined
- **Boiling point / boiling range:** not determined
- **Flash point:** Not relevant
- **Flammability (solid, vapours):** Not flammable
- **Density:** not determined
- **Solubility in / Miscibility with**
- **Water:** partially miscible

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:**
No decomposition during appropriate use.
- **Materials to avoid:** Strong oxidizers
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** Products of pyrolysis of glycerol.

11 Toxicological information

- **Acute toxicity:** LD50 > 5000 mg/kg oral
- **Primary irritating effect:** not irritant.
- **Additional toxicological informations:** In case of appropriate handling and usage the product does not cause harmful effects.

12 Ecological information

- **Information about elimination (persistence and degradability):**
After solution and formation of zinc salts harmful effect on water organisms.
- **Water hazard class:** 2 (self classification): hazardous for water.

13 Disposal considerations

- **Product:**
- **Recommendation:** Disposal according to local regulations as pharmaceutical waste.
- **Empty contaminated packaging:**
- **Recommendation:** Disposal according to the local regulations.

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14 Transport informations

· **Land transport according to ADR:**

Not classified as dangerous in the meaning of transport regulations.

15 Regulatory information

· **Labelling according to actual legislation (GHS, Globally Harmonized System of Classification and Labelling of Chemicals):**

The product does not need to be labelled according to GHS-regulations.

· **National regulations (Germany):**

· **Water hazard class:** see chapter 12

· **Storage class TRGS 510:** 11

· **VbF class:** -

16 Other Information

The information provided in this MSDS is correct to the best of our knowledge at the date of edition.

· **Reason for last revision:** Adjustment to regulation (EC) 1907/2006 (REACH) and GHS-labelling system.