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

- **Informations to product No. 3022**
- **Product name:**

Lotio alba spirituosa
Ethanolische Zinkoxidschüttelmixtur

- **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) (20%)

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

CAS-No. Substance name

14807-96-6 Talc (20%)

- **EINECS-No.:** 238-877-9
- **REACH Reg. No.:** 01-2120140278-58-0000
- **INCI-Name.:** Talc

CAS-No. Substance name

56-81-5 Glycerin (17% as 20% glycerol 85%)

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

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CAS-No. Substance name

64-17-5 Ethanol (17,5104% as ethanol (96%) 18,24%

- **EINECS-No:** 200-578-6
- **REACH-No.:** 01-2119457610-43-0010
- **INCI-Name:** Alcohol

CAS-No. Substance name

7732-18-5 Water (25,4896% resp. 21,76% acc. to formulation)

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

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.

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8 Exposure controls / personal protective equipment

Components with limit values that require monitoring at the workplace:

Zinc oxide (CAS: 1314-13-2), 20%, 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.
- **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:** ca. 60 °C
- **Flammability (solid, vapours):** Flammable after warming (Ethanol)
- **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.

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13 Disposal considerations

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

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.