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

• **Informations to product No. 3500**

• **Product name:**

### **Wasserhaltiges Liniment SR DAC NRF S40**

Linimentum aquosum SR (konserviert)

• **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**

**Cetyl stearyl alcohol, emulgant, 10,5%, composed of:**

**CAS-No. Substance name**

68955-20-4 (Sulfuric acid, mono-C16-18-alkyl ester, sodium salts, H319, H315, H412) (5 - 15%)

• **EINECS-No.:** 273-258-7

• **REACH Reg. No.:** 01-2119956652-31-0000

• **INCI-Name:** Sodium Stearyl Sulfate

**CAS-No. Substance name**

36653-82-4 Cetyl alcohol (1-Hexadecanol) (40 – 47%)

• **EINECS-No:** 253-149-0


• **REACH Reg. No.:** 01-2119485905-24-0000

• **INCI-Name:** Cetyl Alcohol

**CAS-No. Substance name**

112-92-5 Stearyl alcohol (1-Octadecanol) (40 – 47%)

• **EINECS-No:** 204-017-6

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- **REACH Reg. No.:** 01-2119485907-20-0000
- **INCI-Name:** Stearyl Alcohol

**CAS-No. Substance name**

20292-08-4 2-Ethyl hexyl laurate (5%)

- **EINECS-No.:** 243-697-9
- **REACH Reg. No.:** 01-2119970548-24-0000
- **INCI-Name:** Ethylhexyl Laurate

**CAS-No. Substance name**

56-81-5 Glycerol (2,125%)

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

**CAS-No. Substance name**

7732-18-5 Water (82,115%)

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

**CAS-No. Substance name**

77-92-9 Citric acid, anhydrous (0,07%)

- **EINECS-No.:** 201-069-1
- **REACH-No.:** 01-2119457026-42-0000
- **INCI-Name:** Citric Acid

**CAS-No. Substance name**

24634-61-5 Potassium sorbate (0,14%)


- **EINECS-No:** 246-376-1
- **REACH Reg. No.:** 01-2119950315-41-0000
- **INCI-Name:** Potassium Sorbate

#### 4 First aid measures

- **General advices:** No special measures required.
- **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 plenty of water. If feeling unwell 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
- **Additional information:** Prevent fire extinguishing water from contaminating surface water, the ground water system or soil. Residues must be deposited according to local regulations.

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## 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:

The product does not contain relevant quantities of substances with limit values that require monitoring at the workplace.


- **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 recommended.

## 9 Physical and chemical properties

- **Form:** viscous liquid
- **Colour:** clear
- **Odour:** odourless
- **Melting point / melting range:** not determined
- **Boiling point / boiling range:** ca. 101 °C
- **Flash point:** Not relevant
- **Flammability (solid, vapours):** Not flammable
- **Density:** not determined
- **Solubility in / Miscibility with**
- **Water:** 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.

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- **Hazardous decomposition products:** none

## 11 Toxicological information

- **Acute toxicity:** LD50 > 5000 mg/kg oral
- **Primary irritating effect:** none Irritant effect
- **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):** Readily biodegradable.
- **Aquatic toxicity:** no informations available.
- **Water hazard class:** 1 (self classification): slightly 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.

## 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:** 12
- **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.