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

- **Informations to product No. w390**
- **Product name:**

Squalan Squalanum, Perhydrosqualen

- **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:**

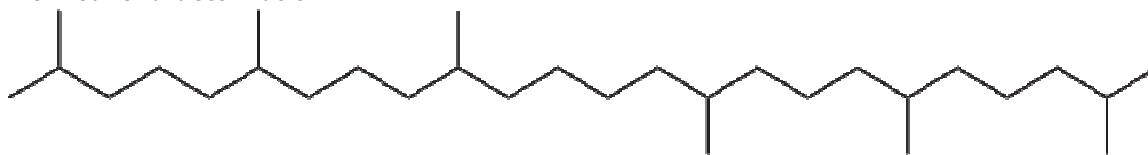
Giftinformationszentrum Mainz
Langenbeckstr. 1, 55131 Mainz
Tel.: 06131/19240

2 Hazards identification

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

3 Composition / information on ingredients

- **Chemical characterization:**



CAS-No. Substance name

111-01-3 Perhydrosqualene

• **EINECS-No.** 203-825-6


• **REACH Reg. No.:** 01-2120014832-65-0000

• **INCI-Name:** Squalane

• **General information** Colourless, stable against air oxygen aliphatic hydrocarbon (2,6,10,15,19,23-Hexamethyltetracosan)

4 First aid measures

- **after inhalation:** not relevant.
- **after skin contact:** no harmful effect.
- **after eye contact:** If irritation continues seek medical advice.
- **after swallowing:** not toxic
- **The following symptoms might occur:** After swallowing of big quantities: Diarrhea.

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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:** Combustible, but not flammable. In case of fire dangerous vapours/gases can be generated: Smoke gases.
- **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 drains.
- **Methods for cleaning:** Absorb with liquid-binding material: Sand, silica gel, acid binder, universal binder, saw dust. Disposal according to Chapter 13 of this MSDS. Clean up with water.
- **General information:** No hazardous substances are released.

7 Handling and storage


- **Handling:** No special requirements.
- **Advice on safe handling:** No special measures required.
- **Informations to fire or explosion protection:** Keep away from open fire.
- **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.
- **Additional informations to storage conditions:** none

8 Exposure controls / personal protective equipment

- **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:** Not required

9 Physical and chemical properties

- **Form:** liquid
- **Colour:** colourless
- **Odour:** odourless
- **Melting point / melting range:** - 38 °C
- **Boiling point / boiling range:** 350 °C
- **Flash point:** 218 °C
- **Density:** (20 °C) 0,8115 g/cm³
- **Solubility in / Miscibility with**
- **Water:** not soluble

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- **pH-range:** neutral

10 Stability and reactivity

- **Materials to avoid:** Strong oxidizers
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** At high temperatures irritant cracking products are released.

11 Toxicological information

- **Acute toxicity:** No toxic effects known.
- **Primary irritant effect:**
- **on skin:** no irritant effect.
- **on eyes:** not irritant (Component of some ophthalmologic unguents)
- **after swallowing:** not toxic
- **Additional toxicological informations:** In case of appropriate handling and usage the product does not cause harmful effects.

12 Ecological information

- **Ecotoxic effects:** No harmful ecological effects known.
- **Behaviour in sewage plants:** Mechanical separation in sewage plants is possible.
- **Water hazard class:** Generally hazardous for water according to annex 1 No. 3.2 AwSV

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:** 10
- **VbF class:** -

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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.