

Updated: 19.01.07

## MATERIAL SAFETY DATA SHEET - MSDS

### 1. Identification of the substance/preparation and of the company/undertaking

#### Identification of the product:

**Name of material:** Silicone liquid, for heating baths, Art.Nr.: 31849, Innerpackage: Glass Bottle

**Use of the substance/preparation:** for heating baths.

#### Manufacturer/supplier identification:

##### Company:

Gatt-Koller GmbH

Swarovskistrasse 74

A-6067 Absam

Tel.: 0043-5223-44216-0

Fax.: 0043-5223-43216

##### Emergency Telephone:

Tel.: 0049-551-19240

### 2. Composition/information on ingredients

**Description:** Polydimethylsiloxane.

**Identification and amount of the components:** CAS: 63148-62-9

### 3. Hazards identification

#### Hazards classification for the substance according to the European Directives:

No hazardous product as specified in Directive 67/548/EEC.

### 4. First aid measures

**After inhalation:** Fresh air. Summon doctor if feeling unwell.

**After skin contact:** wash off with plenty of water. Remove contaminated clothing. Consult doctor if feeling unwell.

**After ingestion:** make victim drink plenty of water, induce vomiting. Summon doctor.

**After eye contact:** rinse out with plenty of water with the eyelid held wide open. Summon eye specialist if necessary.

### 5. Fire-fighting measures

**Suitable extinguishing media:** Powder, foam, CO<sub>2</sub>.

**Special risks:** combustible

The following may develop in event of fire: formaldehyde (vapours)

**Special protective equipment for fire fighting:** Do not stay in dangerous zone without self-contained breathing apparatus.

**Further information:** Prevent fire-fighting water from entering surface water or groundwater.

### 6. Accidental release measures

**Person-related precautionary measures:** Avoid substance contact.

**Environmental precautions:** Do not allow to enter sewerage system.

**Procedures for cleaning / absorption:** Take up with liquid-absorbent material. Forward for disposal. Clean up.

### 7. Handling and storage

**Handling:** No further requirements.

**Storage:** Store tightly closed. At room temperature.

### 8. Exposure controls/personal protection

**Exposure limit values:** (MAK, Germany):

**Exposure controls:**

**Occupational exposure controls:** The personal protective equipment must be selected according to the working place, based on the concentration and amount of the dangerous substance. The supplier should indicate the stability of the personal protective equipment to chemical reagents.

**Respiratory protection:** required when vapours/aerosols are generated.

**Hand protection:** required

**Eye protection:** required

**Industrial hygiene:** Change contaminated clothing. Wash hands after working with substance.

### 9. Physical and chemical properties

#### General information:

**Form:** liquid

**Colour:** colourless

**Odour:** odourless

**Important health, safety and environmental information:**

**pH value:** ---

**Boiling temperature:** ---

**Flash point:** 299 °C

**Explosion limits (low):** ---

**Explosion limits (high):** ---

**Vapour pressure:** (200 °C) ~ 1,47 hPa

**Density (20 °C):** 0,96 g/cm<sup>3</sup>

**Solubility in water: (20 °C):** non-miscible

**Viscosity:** ---

**Evaporation rate:**

**Refractive index:** (n 25 °C/D) 1,402

**Melting temperature:** ~ -54 °C

**Ignition temperature:** ---

#### **10. Stability and reactivity**

**Conditions to be avoided:** Stable under normal temperatures and pressures.

**Substances to be avoided:** strong acids, strong bases, strong oxidizing agents.

**Hazardous decomposition products:** In event of fire: see chapter 5.

#### **11. Toxicological information**

**Acute toxicity:** Quantitative data on the toxicity of this product are not available.

**Further information:**

Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.

#### **12. Ecological information**

**Ecotoxic effects:**

**Fish toxicity:** L.idus LC<sub>50</sub>: 200 mg/l

**Bacterial toxicity:** Ps. putida EC<sub>50</sub>: > 1000 mg/l

**Further ecologic data:**

No ecological problems are to be expected when the product is handled and used with due care and attention.

#### **13. Disposal considerations**

**Product:** There are no uniform EU Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EU member countries through corresponding laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

**Packaging:** Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

#### **14. Transport information**

Not subject to transport regulations.

#### **15. Regulatory information**

**EC-classification:** This product is not included in the dangerous substances index with its corresponding EC index number, so it has been classified according to the annex VI of the 2001/59/EC directive.

**Symbol:**

**R-phrases:** ---

**S-phrases:** ---

**EC-Index-No:** ---

#### **German regulations**

Water pollution class 1 (slightly polluting substance) VwVwS Anh. 2 KennNr. 542

Storage class VCI 10 - 13

#### **16. Other information**

**Date:** 19/01/2007

The information supplied in this data sheet, is based on the present state of our knowledge. The purpose of this information, is only to describe the security measures to follow in the handling of the product.

Therefore it does not represent a guarantee about the properties of the product.

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