

# EC - Safety Data Sheet acc. to 91/155/EEC

Date	revised on	page / of pages
13.08.2008	13.08.2008	1/4

**ThermoFisher**  
SCIENTIFIC

Item No.	Commercial product name	Order No.
002-8086f	<b>HAAKE Bath Liquid SIL 180</b>	999-0203 (5l) 999-0204 (10l)

## 1 Chemical substance/preparation and company identification

- 1.1 Commercial product name: Bath Liquid SIL 180  
1.2 Chemical designation: Polydimethylsiloxane  
1.3 Supplier: Thermo Electron (Karlsruhe) GmbH  
Dieselstraße 4, 76227 Karlsruhe  
Tel. 0721/4094-0, Fax. 0721/4094-300  
1.4 Informing department: see above  
Emergency information: Johannes Gutenberg-Universität Mainz  
Langenbeckstraße 1, 55131 Mainz  
Tel.: 06131/232466, Fax.: 06131/232469  
1.5 Responsible for safety data sheet: [support.tc.de@thermofisher.com](mailto:support.tc.de@thermofisher.com)

## 2 Composition/information on ingredients

- Chem. characterisation: Polydimethylsiloxane  
CAS No(s): 63148-62-9

## 3 Hazards identification

Special dangers are associated with chemicals. They should therefore only be handled by trained personnel with the necessary care.

- 3.1 Specific hazards for human health and environment:  
On the basis of the data available to us, this product is not a dangerous substance or preparation within the meaning of Chemikaliengesetz and/or EC-Directives concerning dangerous substances and preparations; however, the information given in this material safety data sheet must be adhered to.

## 4 First-Aid measures

- 4.1 General information: see specific contact information  
4.2 Inhalation: no special measures required  
4.3 Skin contact: wash with plenty of soap and water  
4.4 Eye contact: rinse immediately with plenty of water, seek medical advice in case of continuous irritation.  
4.5 After swallowing: seek medical advice, refer to this data sheet  
4.6 Special notes to a physician: none

## 5 Fire-Fighting measures

- 5.1 Suitable extinguishing media: foam, carbon dioxide, dry powder, water spray jet  
5.2 Extinguishing media not to be used: none known  
5.3 Specific hazards formation of carbon monoxide, carbon dioxide and silicon dioxide  
5.4 special equipment for the protection of firefighters: none

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Date	revised on	page / of pages
13.08.2008	13.08.2008	2/4

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## 6 Accidental release measures

- 6.1 Personal precautions: no special measures required
- 6.2 Environmental precautions: no special measures required
- 6.3 Methods for cleaning up: absorb with liquid-binding material e.g. sand, diatomite or sawdust and dispose of the material collected according to regulations
- 6.4 Further information: none

## 7 Handling and storage

- 7.1 Handling
  - 7.1.1 Safe handling advice: no special measures required; keep containers closed. Spilled liquid increases danger of slipping.
  - 7.1.2 Fire and explosion prevention advice: keep away from sources of ignition; don't smoke; take precautionary measures against electrostatic discharges
- 7.2 Storage
  - 7.2.1 Requirements on storage and packaging: no special measures required

## 8 Exposure controls/Personal protection

- 8.1 Additional information on engineering technical equipment: see information in item 7.2
- 8.2 Ingredients with specific control parameters/limit values: none
- 8.3 Personal protective equipment:
  - 8.3.1 General industrial hygiene: wash hands before breaks and at the end of working
  - 8.3.2 Respiratory protection: none required
  - 8.3.3 Hand protection: protective gloves made of PVC
  - 8.3.4 Eye protection: goggles giving full protection recommended
  - 8.3.5 Skin and body protection: none required

## 9 Physical and chemical properties

- 9.1 Appearance
  - Form: liquid
  - Colour: colourless
  - Odour: faint - characteristic
- 9.2 Data relevant for safety
  - Change in physical state
    - Melting point (°C): not applicable
    - Boiling point (°C): > 300
    - Flash point (°C): 170
    - Ignition temperature (°C): > 400
    - Explosion limits: not calculated
    - Vapour pressure (20°C): <0.01 mbar
    - Density (g/cm<sup>3</sup>): approx 0.93 (25°C)

All above mentioned specifications correspond to our know-how and experience up to date. These describe the product with respect to the safety requirements and do not imply „assured characteristics“.

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Date	revised on	page / of pages
13.08.2008	13.08.2008	3/4

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Solubility in water: insoluble  
pH-value in the original neutral  
(20°C):  
Viscosity (mPa###s): approx. 10 (25°C)  
Percent volative by volume: not measured  
Evaporation rate (ether = 1): not measured  
Vapour density (air = 1): not measured

9.3 Further information: none

## 10 Stability and reactivity

10.1 Conditions to avoid: none  
10.2 Materials to avoid: none with proper storage and handling  
10.3 Hazardous decomposition products: none with proper storage and handling  
10.4 Further information: At a temperature of approx. 150 °C a small amount of formaldehyde can be released by oxidative degradation:

## 11 Toxicological information

According to our present knowledge no harmful physiological effects have been reported.  
Eye contact may produce an oil film over the eyeball causing a reversible, shortlasting dimness of sight. The following toxicological data has been found  
LD-50, oral                      RAT                      >                      5000.00 mg/kg

## 12 Ecological information

Toxicity to fish: Orfe (leuciscus idus) LC<sub>0</sub>: 200 mg/l, test duration 96 h  
Toxicity to bacteria: not harmful to psuedomonas putida: 10000 mg/l  
(Examinations carried out at the Institute for Environmental Studies and evaluation by Bayer AG)  
Polydimethylphenylsiloxane is to a certain extent biodegradable due to abiotic processes, bioaccumulation is not known of.  
Water hazard class: 1 - slightly hazardous

## 13 Disposal considerations

13.1 Product: Special treatment is required in accordance with federal, state and local regulations and the waste disposal contractor, e.g. incineration in suitable combustion facilities.  
13.2 Recommendations: None  
13.3 Waste product code no.: Categorization to waste product code no. 130303 can be considered in cooperation with the above mentioned authorities.  
13.4 Contaminated Packaging: If empty, uncleaned containers are recycled or disposed of, the receiver must be informed about possible hazards.

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Date	revised on	page / of pages
13.08.2008	13.08.2008	4/4

**ThermoFisher**  
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## 14 Transport information

### 14.1 Overland transport ADR / RID and GGVE/GGVS

	ADR/RID	GGVE/GGVS
14.1.1 Class:	--	--
14.1.2 Item:	--	--

### 14.2 Inland waterways transport ADN /ADNR

14.2.1 Class:	--	
14.2.2 Item:	--	Category: --

### 14.3 Overseas transport IMO

14.3.1 Class:	--
14.3.2 UN/ID-No.:	--
14.3.3 EMS-No.:	--

### 14.4 Air transport ICAO-TI / IATA-DGR

14.4.1 Class:	--
14.4.2 UN/ID-No.:	--

14.5 Other transp. information: none

## 15 Regulatory information

### 15.1 Labelling according to EEC-regulations

On the basis of the data available to us, this product is not a dangerous substance of preparation within the meaning of Chemikaliengesetz and/or EC-Directives concerning dangerous substances and preparations; however, the information given in this material safety data sheet must be adhered to.

## 16 Other information

The information presented here has been compiled to the best of our knowledge but should not necessarily be regarded as complete and should only be used by the operator as a guideline. We cannot accept liability for damages caused as a result of the handling of or contact with these chemicals.

Our products have been tested for laboratory usage only; the standard safety procedures should always be observed when handling chemicals.