

# EU SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 and Regulation (EC) No. 453/2010 (REACH)



## TC-202 - Silicone Oil

Date of first version: 02.01.2008  
Revision date: 20.01.2011

Date of print: 17.02.2011  
Version 3 / Page 1 of 6

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

#### 1.1 Product identifier

Trade name: TC-202 Silicone Oil

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

General use Separation oil

#### 1.3 Details of the supplier of the safety data sheet

Company name: Technotrenn Trennmittel GmbH  
Street/POB-No.: Robert-Bosch-Str. 46  
State/city/postal code: D-69190 Walldorf  
World Wide Web: <http://www.technotrenn.com>  
Telephone: +49 (0)6227 / 604-0  
Dept. responsible for information:  
Technik,  
Telephone: +49 (0)6227 / 604-0, Email: [info@technotrenn.com](mailto:info@technotrenn.com)

#### 1.4 Emergency telephone number

Technik, Telephone: +49 (0)6227 / 604-0  
Only available during office hours.

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to EC regulation 1272/2008 (CLP):

This substance is classified as not hazardous.

##### Classification according to directive 67/548/EEC:

This substance is classified as not hazardous.

#### 2.2 Label elements

##### Labelling (CLP)

Hazard Statements not applicable

Safety precautions not applicable

##### Labelling (67/548/EEC or 1999/45/EC)

R phrase(s): not applicable

S phrase(s): not applicable

#### 2.3 Other hazards

In case of air intake: > 150 °C discharge of small quantities of formaldehyde.  
Formaldehyde vapour is harmful by inhalation and irritating to eyes and respiratory system at breathing concentration less than one part per million (1ppm).

### SECTION 3: Composition/ information on ingredients

#### 3.1 Substances

Chemical characterization (substance):  
Silicone oil; Polydimethylsiloxane

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## TC-202 - Silicone Oil

Date of first version: 02.01.2008  
Revision date: 20.01.2011

Date of print: 17.02.2011  
Version 3 / Page 2 of 6

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

In case of skin contact: Change contaminated clothing. Remove residues with soap and water.  
After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.  
After swallowing: Rinse mouth thoroughly with water. Seek medical treatment in case of troubles.

#### 4.2 Most important symptoms and effects, both acute and delayed

No data available

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media:  
Foam, extinguishing powder, water fog, carbon dioxide.

Extinguishing media which must not be used for safety reasons:  
High power water jet

#### 5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: Silicium dioxide, traces of incompletely burned carbon compounds, formaldehyde, carbon monoxide and carbon dioxide.

#### 5.3 Advice for firefighters

Special protective equipment for firefighters:  
Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information: Keep containers cool with water spray until well after the fire is out.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing.

#### 6.2 Environmental precautions

Do not allow to penetrate into soil, waterbodies or drains.

#### 6.3 Methods and material for containment and cleaning up

Dam spills with earth or sand.  
Soak up with absorbent materials such as sand, siliceous earth, acid- or universal binder. Store in special closed containers and dispose of according to ordinance.

Additional information: Special danger of slipping by leaking/spilling product.

#### 6.4 Reference to other sections

not required

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Advices on safe handling Avoid contact with eyes.

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## TC-202 - Silicone Oil

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Version 3 / Page 3 of 6

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed and in a well-ventilated place.

Hints on joint storage

Avoid contact with oxidizing agents.

Storage class:

10 = Combustible liquids, unless storage class 3

### 7.3 Specific end use(s)

Separation oil

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Additional information: Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Occupational exposure controls

Respiratory protection: Provide adequate ventilation.

Hand protection:

Recommendation: protective gloves according to EN 374.

Glove material: Nitrile rubber-Breakthrough time 480 min.

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection:

Tightly sealed safety glasses according to EN 166.

General protection and hygiene measures:

Wash hands before breaks and after work.

## SECTION 9: Physical and chemical properties

### 9.1 information on basic physical and chemical properties

Physical state:

liquid

Colour

colourless

Odour:

odourless

Flash point / flash point range:

> 250 °C

Ignition temperature

450 °C

Explosive properties:

Product is not explosive.

Density:

at 20 °C: approx. 0,97 g/mL

pH value:

not applicable

Water solubility:

insoluble

Viscosity, dynamic:

at 20 °C: 350 mPa\*s

Thermal decomposition:

In case of air intake: > 150 °C

### 9.2 Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available

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## TC-202 - Silicone Oil

Date of first version: 02.01.2008  
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Date of print: 17.02.2011  
Version 3 / Page 4 of 6

### 10.2 Chemical stability

Product is stable under normal storage conditions.

### 10.3 Possibility of hazardous reactions

Reacts with strong oxidizing agents.

### 10.4 Conditions to avoid

Protect from excessive heat.

### 10.5 Incompatible materials

No data available

### 10.6 Hazardous decomposition products

In case of fire may be liberated: Silicium dioxide, traces of incompletely burned carbon compounds, formaldehyde, carbon monoxide and carbon dioxide.

Thermal decomposition: In case of air intake: > 150 °C

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

After eye contact: Upon direct contact with eyes may cause burning, tearing, redness.

#### General remarks

Measurements taken at temperatures exceeding 150 °C have revealed that a small quantity of formaldehyde splits off through oxidative decomposition.

Formaldehyde vapour is harmful by inhalation and irritating to eyes and respiratory system at breathing concentration less than one part per million (1ppm).

## SECTION 12: Ecological information

### 12.1 Toxicity

Water Hazard Class: 1 = slightly hazardous to water  
Further details: In soil, siloxanes are degraded.  
No indication of bioaccumulation potential.

### 12.2. Persistence and degradability

Further details: Siloxanes are removed from water by sedimentation or binding to sewage sludge.

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.

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## TC-202 - Silicone Oil

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Version 3 / Page 5 of 6

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

##### Product

Waste key number 07 02 17 = Waste containing silicones  
Recommendation: Incinerate according to applicable local, state and federal regulations.

##### Contaminated packaging

Recommendation: Waste key number 150102 - Plastic packaging  
Waste key number 150104 - Metallic packaging  
Dispose of waste according to applicable legislation.  
Non-contaminated packages may be recycled.

### SECTION 14: Transport information

#### 14.1 UN number

not applicable

#### 14.2 UN proper shipping name

ADR/RID, IMDG, IATA: Not restricted

#### 14.3 Transport hazard class(es)

not applicable

#### 14.4 Packing group

not applicable

#### 14.5 Environmental hazards

Marine Pollutant unknown

#### 14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

##### National regulations - Great Britain

Hazchem-Code: -

##### National regulations - Germany

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Version 3 / Page 6 of 6

### National regulations - USA

Hazard rating systems



NFPA Hazard Rating:  
Health: 0 (Minimal)  
Fire: 1 (Slight)  
Reactivity: 0 (Minimal)  
HMIS Version III Rating:  
Health: 0 (Minimal)  
Flammability: 1 (Slight)  
Physical Hazard: 0 (Minimal)  
Personal Protection: X = Consult your supervisor

HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0
	X

### 15.2 Chemical Safety Assessment

No data available

## SECTION 16: Other information

### Further remarks

Reason of change: Changes in section 2: GHS  
General revision

### Group that issues data sheet

Contact person: see chapter 1, department responsible for information.

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.