

# Material Safety Data Sheet

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## 1. Product & Company Identification

### 1.1 Product identifier

Product name: Model car shock absorber oil

#### **Additional identification:**

Chemical name: Siloxanes and Silicones, di-Me

CAS-No.: 63148-62-9

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

Identified uses: Model car shock absorber oil

Uses advised against: None known.

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

#### **Manufacturer/Importer/Distributor Information**

Conrad Electronic SE, Klaus-Conrad-Str. 1, D-92240 Hirschau

Telephone: +49 (0) 9604 / 40 – 8988

#### **Date of issue:**

19.04.2022

## 2. Hazard identification

### **Emergency Overview:**

#### **Hazard summary:**

Physical Hazards: No specific recommendations.

#### **Health Hazards:**

Inhalation: No specific symptoms noted.

Eye contact: No specific symptoms noted.

Skin Contact: No specific symptoms noted.

Ingestion: No specific symptoms noted.

Other Health Effects: No other information noted.

#### **Environmental hazards:**

Not regarded as dangerous for the environment.

### 2.1 Classification of the substance or mixture

The product has not been classified as hazardous according to the legislation in force.

Hazard Classification: Not classified

### 2.2 Label Elements

Not applicable

### 2.3 Other hazards

No other information noted.

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### 3. Composition/information on ingredients

**Substances:**

**General information:**

No hazardous ingredients.

**Chemical name:**

Siloxanes and Silicones, di-Me

CAS-No.: 63148-62-9

### 4. First-aid measures

**General information:**

No specific first aid measures noted. Get medical attention if symptoms occur.

**4.1 Description of first aid measures**

**Inhalation:**

Under normal conditions of intended use, this material is not expected to be an inhalation hazard. In case of inhalation: Move person into fresh air and keep at rest. Get medical attention if symptoms occur.

**Skin Contact:**

Remove contaminated clothing and shoes. Wash skin with soap and water. Get medical attention if symptoms occur. Wash contaminated clothing before reuse.

**Eye contact:**

In the event of contact with the eyes, rinse thoroughly with clean water for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

**Ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if symptoms occur.

**Personal Protection for First-aid Responders:**

First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). Refer to sections 5 and 8 for information on emergency procedures and protective equipment.

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

No specific symptoms noted. For further information, please refer to section 11 of the SDS.

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

**Notes to the physician:**

No specific recommendations. Show this Safety Data Sheet to the attending physician.

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### 5. Fire-fighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing media:**

Water spray, foam, dry powder or carbon dioxide.

**Unsuitable extinguishing media:**

Avoid water in straight hose stream; will scatter and spread fire.

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

Product will burn under fire conditions. Thermal decomposition or combustion may liberate carbon oxides, silicon oxides and other toxic gases or vapors.

#### 5.3 Advice for firefighters

**Special fire fighting procedures:**

Use standard firefighting procedures and consider the hazards of other involved materials. Remove undamaged containers from fire area if it is safe to do so. Evacuate to a safe location and contact the emergency services. Water spray should be used to cool containers.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**Special protective equipment for fire-fighters:**

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

### 6. Accidental release measures

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

Use personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment.

#### 6.2 Environmental Precautions

Do not discharge into drains, water courses or onto the ground. Collect spillage. Use containment for a large spill.

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

Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Container must be kept tightly closed. Absorb with sand or other inert absorbent. To clean the floor and all objects contaminated by this material, use an appropriate solvent (see § 9). Flush area with plenty of water. Incinerate in suitable combustion chamber.

#### 6.4 Reference to other sections

Caution: Contaminated surfaces may be slippery. For waste disposal, see section 13 of the SDS.

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### 7. Handling and storage

#### 7.1 Precautions for safe handling

**Precautions:**

Handle in accordance with good industrial hygiene and safety practices. No special precautions are necessary beyond normal good hygiene practices. See Section 8 of the SDS for additional personal protection advice when handling this product. Take care to prevent spills, waste and minimize release to the environment. In case of spills, beware of slippery floors and surfaces.

**Hygiene measures:**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

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

Store in accordance with local/regional/national regulations. Avoid discharge into drains, water courses or onto the ground. Store in a dry place. Keep in properly labelled containers. Keep above the chemical's freezing point. Protect against physical damage and/or friction. Store away from incompatible materials. For further information, refer to section 10: "Stability and Reactivity".

#### 7.3 Specific end use(s)

No data available.

### 8. Exposure controls/personal protection

#### 8.1 Control Parameters

**Occupational Exposure Limits:**

None of the components have assigned exposure limits.

#### 8.2 Exposure controls

**Appropriate Engineering Controls:**

No special requirements under ordinary conditions of use and with adequate ventilation.

**Individual protection measures, such as personal protective equipment:**

Avoid inhalation of vapors/aerosols/dusts and contact with skin and eyes. Personal protective equipment should be chosen according to applicable standards, adapted to the conditions of use of the product and in discussion with the supplier of the personal protective equipment.

**Eye/face protection:**

Safety glasses with side shields

**Hand Protection:**

Protective gloves are recommended.

**Skin and Body Protection:**

No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

**Respiratory Protection:**

No protection is ordinarily required under normal conditions of use and with adequate ventilation.

**Environmental Controls:**

No data available.

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### 9. Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### Appearance:

Physical state:	Liquid
Form:	Viscous
Color:	Colorless
Odor:	Odorless
pH:	By definition, pH measurement consists in the determination of hydrogen ions concentration in solution, generally aqueous. Silicones products are hydrophobic and therefore, not soluble in water. By consequence, it is not possible to measure the pH value.
Melting point/freezing point:	No data available.
Boiling Point:	No data available.
Flash Point:	300 °C / 572 °F (Open Cup)
Flammability:	No data available.
Flammability Limit - Upper (%):	No data available.
Flammability Limit - Lower (%):	No data available.
Vapor pressure:	< 0.1 hPa (20 °C)
Relative vapor density:	No data available.
Evaporation Rate:	No data available.
Density:	Approximate 0.97 kg/dm <sup>3</sup> (20 °C)
Solubility(ies):	Solubility in Water: Practically Insoluble
Solubility (other):	Acetone: Very slightly soluble Ethanol: Very slightly soluble Diethylether: Miscible (in all proportions). Aliphatic hydrocarbons: Miscible (in all proportions). Aromatic hydrocarbons: Miscible (in all proportions). Chlorinated solvents: Miscible (in all proportions).
Partition coefficient (n-octanol/water):	No data available.
Self Ignition Temperature:	> 400 °C
Decomposition Temperature:	No data available.
Particle characteristics:	Not applicable.
<b>9.2 Other information</b>	
Oxidizing properties:	According to the data on the components Not considered as oxidizing (evaluation by structure-activity relationship)

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

#### **10.1 Reactivity**

No other information noted.

#### **10.2 Chemical Stability**

Stable

#### **10.3 Possibility of hazardous reactions**

Will not occur.

#### **10.4 Conditions to avoid**

No other information noted.

#### **10.5 Incompatible Materials**

Strong oxidizing agents.

#### **10.6 Hazardous Decomposition Products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Amorphous silica.

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### 11. Toxicological information

#### Information on likely routes of exposure:

Inhalation: No data available.

Ingestion: No data available.

Skin Contact: No data available.

Eye contact: No data available.

#### 11.1 Information on toxicological effects

##### Acute toxicity:

###### Oral:

LD 50 (Rat): > 5,000 mg/kg ; Not classified for acute toxicity based on available data.

###### Dermal:

LD 50 (Rat): > 2,000 mg/kg ; Not classified for acute toxicity based on available data.

###### Inhalation:

No data available.

##### Repeated dose toxicity:

No data available.

##### Skin Corrosion/Irritation:

No data available.

##### Serious Eye Damage/Eye Irritation:

No data available.

##### Respiratory or Skin Sensitization:

No data available.

##### Germ Cell Mutagenicity:

**In vitro:** No data available.

**In vivo:** No data available.

##### Carcinogenicity:

No data available.

##### Reproductive toxicity:

**Fertility:** No data available.

**Teratogenicity:** No data available.

##### Specific Target Organ Toxicity - Single Exposure:

No data available.

##### Specific Target Organ Toxicity - Repeated Exposure:

No data available.

##### Aspiration Hazard:

No data available.

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### 12. Ecological information

#### 12.1 Ecotoxicity

**Acute toxicity:**

Fish: No data available.

Aquatic Invertebrates: No data available.

Aquatic plants: No data available.

Toxicity to microorganisms: No data available.

**Chronic Toxicity:**

Fish: No data available.

Aquatic Invertebrates: No data available.

#### 12.2 Persistence and Degradability

**Biodegradation:**

The product is not readily biodegradable.

**BOD/COD Ratio:**

No data available.

#### 12.3 Bioaccumulative potential:

**Bioconcentration Factor (BCF):**

The product is not bioaccumulating.

**Partition coefficient (n-octanol/water):**

No data available.

#### 12.4 Mobility in soil

No data available.

#### 12.5 Other adverse effects

No data available.

### 13. Disposal considerations

#### 13.1 Waste treatment methods

The user's attention is drawn to the possible existence of local regulations regarding disposal.

**Disposal methods:**

Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Contaminated Packaging:**

Contaminated packages should be as empty as possible. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Recycle following cleaning or dispose of at an authorised site.



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### 14. Transport information

**CNDG**

Not regulated.

**IMDG / IMO**

Not regulated.

**IATA**

Not regulated.

### 15. Regulatory information

**China. Precursor Chemicals (Decree No. 445 of the PRC on Regulation for Administration of Precursor Chemicals, Appendix: Categories 1-3):**

Not Regulated

**International regulations:**

Montreal Protocol: Not applicable

Stockholm convention: Not applicable

Rotterdam Convention: Not applicable

Kyoto Protocol: Not applicable

**Inventory Status:**

Canada DSL Inventory List: On or in compliance with the inventory.

China Inv. Existing Chemical Substances: On or in compliance with the inventory.

Japan (ENCS) List: On or in compliance with the inventory.

Korea Existing Chemicals Inv. (KECI): On or in compliance with the inventory.

New Zealand Inventory of Chemicals: On or in compliance with the inventory.

Philippines PICCS: On or in compliance with the inventory.

Taiwan Chemical Substance Inventory: On or in compliance with the inventory.

US TSCA Inventory: On or in compliance with the inventory.

EINECS, ELINCS or NLP: On or in compliance with the inventory.

Australia Industrial Chem. Act (AIC): On or in compliance with the inventory.

**Disclaimer:**

Note: This information provides a basic reference regulations, the user has the responsibility to obtain other applicable laws and regulations and comply with them.

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### 16. Other information

**Key literature references and sources for data:**

No data available.

**Further Information:**

No data available.

**Disclaimer:**

The information given is based on data available for the material, the components of the material, and similar materials. The information is believed to be correct. It is given in good faith. This information should be used to make an independent determination of the methods to safeguard workers and the environment.