

Safety Data Sheet	
Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II – United Kingdom (UK)	
SO 14 perma High performance oil	
Date of printing: 02.05.2011	Date of revision: 02.05.2011

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

1.1 Product identifier

Product name : SO 14 perma High performance oil
 Product description : Lubricating oil

1.3 Details of the supplier of the safety data sheet

perma-tec GmbH & Co. KG
 Hammelburger Straße 21
 D-97717 Euerdorf
 Tel: +49 (0) 9704 609-0
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 Homepage: www.perma-tec.de
 E-Mail: info@perma-tec.de

1.4. Emergency telephone number 0049 (0) 9704-609-99 (Mon-Thu 8:00-16:30, Fri 08:00-12:00)

2. Hazards identification

- **Hazard description:** Not applicable.
- **Information concerning particular hazards for human and environment:**
 The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**
 The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3. Composition/information on ingredients

- **Chemical characterization**
- **Description:**
 ester oil
 Synthetic hydrocarbon oil

· Dangerous components:			
CAS: 68411-46-1	dioctyl diphenylamine	R 52/53	≤ 2.5%
EINECS: 270-128-1			

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4. First aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
 Wash off with soap and plenty of water.
 If skin irritation continues, consult a doctor.
- **After eye contact:**
 Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

5. Firefighting measures

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- **Suitable extinguishing agents:**
Water haze
Foam
Fire-extinguishing powder
Carbon dioxide
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards caused by the substance, its products of combustion or resulting gases:**
In case of fire, the following can be released:
Carbon monoxide (CO)
Hydrocarbons
- **Protective equipment:**
Do not inhale explosion gases or combustion gases.
Standard procedure for chemical fires.
- **Additional information**
Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6. Accidental release measures

- **Person-related safety precautions:** Particular danger of slipping on leaked/spilled product.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.

7. Handling and storage

- **Handling:**
- **Information for safe handling:** Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in cool, dry conditions in well sealed receptacles.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from oxidizing agents.
- **Further information about storage conditions:** None.

8. Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Do not inhale gases / fumes / aerosols.
Immediately remove all soiled and contaminated clothing
Avoid close or long term contact with the skin.
Be sure to clean skin thoroughly after work and before breaks.
- **Protection of hands:** Preventive skin protection by use of skin-protecting agents is recommended.
- **Eye protection:** Goggles recommended during refilling

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9. Physical and chemical properties

- **General Information**

Form:	Fluid
Colour:	Green
Odour:	Product specific

- **Change in condition**

Pour point	~ -25°C (DIN ISO 3016)
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- **Flash point:**

	> 220°C (DIN ISO 2592)
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- **Danger of explosion:**

	Product does not present an explosion hazard.
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- **Density at 20°C:**

	~ 0.95 g/cm ³ (DIN 51757)
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- **Solubility in / Miscibility with water:**

	Insoluble.
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- **Viscosity:**

Kinematic at 40°C:	~ 320 mm ² /s (DIN 51562)
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10. Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

- **Materials to be avoided:** oxidizing agents

- **Dangerous reactions:** No dangerous reactions known.

- **Dangerous decomposition products:**

In case of fire, the following can be released:

Carbon monoxide and carbon dioxide

Hydrocarbons

11. Toxicological information

- **Additional toxicological information:**

Prolonged skin contact may cause skin irritation and/or dermatitis.

12. Ecological information

- **Ecotoxicological effects:**

- **Behaviour in sewage processing plants:** The product can be mechanically separated.

- **General notes:** Do not allow product to reach ground water, water course or sewage system.

13. Disposal considerations

- **Product:**

- **Recommendation:** Can be incinerated in accordance with local and national regulations.

- **Waste disposal key:**

For this product no waste disposal key according the European Waste Catalogue (EWC) can be determined, as only the purpose of application defined by the user enables an allocation. The waste code number has to be determined in accordance with the local waste disposer.

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- **Uncleaned packaging:**
- **Recommendation:**
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

14. Transport information

- Land transport ADR/RID (cross-border)
- ADR/RID class: -
- Maritime transport IMDG:
- IMDG Class: -
- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: -
- Transport/Additional information:
Not classified as dangerous according to the above specifications.

15. Regulatory information

- **Labelling according to EU guidelines:**
The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EU" as issued in the latest valid version.
- **Special labelling of certain preparations:**
Safety data sheet available for professional user on request.

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant R-phrases**
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.