

Safety Data Sheet Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II – United Kingdom (UK)	
SO 64 perma Bio oil low viscosity	
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 64 perma Bio oil low viscosity
Product description : Lubricating oil

1.2 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
Fax: +49 (0) 9704 609-50
Homepage: www.perma-tec.de
E-Mail: info@perma-tec.de

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

2. Hazards identification

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification according to Regulation (EC) 1907/2006 (REACH)

Classification : Not classified.
Physical/chemical hazards : Not applicable.
Human health hazards : Not applicable.
Environmental hazards : Not applicable.
Additional hazards : Not available.

See section 11 for more detailed information on health effects and symptoms.

3. Composition/information on ingredients

Substance/mixture : Mixture
Description : ester oil

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

First-aid measures

Inhalation : Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if symptoms occur.

Ingestion : Wash out mouth with water. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

Notes to physician : No specific treatment. Treat symptomatically. Contact poison treatment specialist

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Specific treatments	immediately if large quantities have been ingested or inhaled. : Not available.
See section 11 for more detailed information on health effects and symptoms.	
5. Firefighting measures	
<u>Extinguishing media</u>	
Suitable	: Use an extinguishing agent suitable for the surrounding fire.
Not suitable	: None known.
Special exposure hazards	: In a fire or if heated, a pressure increase will occur and the container may burst. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Remark	: Not available.
6. Accidental release measures	
Personal precautions	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Put on appropriate personal protective equipment (see section 8).
Environmental precautions	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
<u>Methods for cleaning up</u>	
Small spill	: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.
7. Handling and storage	
Handling	: Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.
Storage	: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
<u>Packaging materials</u>	
Recommended	: Use original container.
Specific uses	: Not available.

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8. Exposure controls/personal protection

Exposure limit values

No exposure limit value known.

Exposure controls

Occupational exposure controls	: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
Respiratory protection	: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Eye protection	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
Skin protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
DNEL Summary	: Not available.
PNEC Summary	: Not available.

9. Physical and chemical properties

Physical state	: Liquid.
Colour	: Orange.
Odour	: Characteristic.
<u>Important health, safety and environmental information</u>	
pH	: Not available.
Boiling point	: Not available.
Melting point	: Not available.
Flash point	: Open cup: $\geq 220^{\circ}\text{C}$ ($\geq 428^{\circ}\text{F}$) [ISO 2592]
Pour point	: Not available. $^{\circ}\text{C}$ DIN ISO 3016
Drop point	: Not available. $^{\circ}\text{C}$ DIN ISO 2176
Explosive properties	: Not available.
Explosion limits	: Not available.
Vapour pressure	: Not available.
Density	: 0.93 g/cm^3 [20°C]
Bulk Density	: Not available.
Solubility	: Insoluble in the following materials: cold water and hot water.
Octanol/water partition coefficient	: Not available.
Viscosity	: Kinematic (40°C (104°F)): $1 \text{ cm}^2/\text{s}$ (100 cSt)
Auto-ignition temperature	: Not available.
Comments	: Not available.

10. Stability and reactivity

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Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Materials to avoid	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced. Not available.

11. Toxicological information

Potential acute health effects

Inhalation	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards.
Eye contact	: No known significant effects or critical hazards.

Acute toxicity

No specific data.

Conclusion/Summary : Not available.

Potential chronic health effects

Chronic toxicity

No specific data.

Conclusion/Summary : Not available.

Irritation/Corrosion

Skin : Not available.

Eyes : Not available.

Respiratory : Not available.

Sensitiser

No specific data.

Skin : Not available.

Respiratory : Not available.

Carcinogenicity

No specific data.

Mutagenicity

No specific data.

Conclusion/Summary : Not available.

Teratogenicity

No specific data.

Conclusion/Summary : Not available.

Reproductive toxicity

No specific data.

Conclusion/Summary : Not available.

Chronic effects : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation : No specific data.

Ingestion : No specific data.

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Skin	: Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.
Eyes	: No specific data.
Other adverse symptoms	: Not available.
<u>Toxicokinetics</u>	
Absorption	: No specific data. Not available. Not available.
Distribution	: No specific data. Not available. Not available.
Metabolism	: Not available.
Elimination	: Not available.

12. Ecological information

Ecotoxicity	: No known significant effects or critical hazards.
Conclusion/Summary	: Not available.
<u>Other ecological information</u>	
Conclusion/Summary	: Not available.
Mobility	: Not available.

13. Disposal considerations

Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
European waste catalogue (EWC)	: Not available.
Hazardous waste	: Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

14. Transport information

<u>International transport regulations</u>						
Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
ADR/RID Class	Not regulated.	-	-	-	-	-
IMDG Class	Not regulated.	-	-	-	-	-
IATA Class	Not regulated.	-	-	-	-	-
PG* : Packing group						

15. Regulatory information

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<u>EU regulations</u> <u>Classification and labeling according to Regulation (EC) 1907/2006 (REACH)</u>	
Risk phrases	: This product is not classified according to EU legislation.
Safety phrases	: Not applicable.
Contains	:
Product use	: Industrial applications.
<u>Other EU regulations</u> Additional warning phrases : Contains N-alkylated benzotriazole. May produce an allergic reaction.	
16. Other information	
Training advice	: Not available.
<u>Restrictions on use</u> None identified.	
<u>History</u> Date of printing : 10/21/2010. Date of issue/ Date of revision : 10/21/2010.	
Version	: 1
<input checked="" type="checkbox"/> Indicates information that has changed from previously issued version.	