

MATERIAL SAFETY DATA SHEET – ‘REACH’ 1907/2006**PRODUCT: BOGE 3000plus**Sheet 1 of 4
Last Revision: 16.03.09
Issue No: 02**1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY**

Product Name: BOGE 3000plus

Application: Compressor Lubricant

Manufacturer: BOGE KOMPRESSOREN
Otto Boge GmbH & Co. KG
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D-33739 Bielefeld

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This product is not considered hazardous according to Directive 1999/45/EC, but should be handled in accordance with good standards of industrial hygiene and safety practices.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Cas Number	Product Name	Content	Symbols	R Phrases
-	Severely refined mineral oil	> 90%	-	-

(Exposure Limits: LTEL (8 Hr TWA) Mineral Oil Mist = 5 mg/m³, STEL (15 min Ref) Mineral Oil Mist = 10mg/m³)

4. FIRST AID MEASURES

Eyes: May cause irritation. Flush eyes with water, lifting eyelids for at least 15 minutes. If irritation persists obtain medical attention.

Skin: Prolonged and repeated contact may cause irritation. Remove contaminated clothing. Wash affected area with copious amounts of soap and water. If irritation persists obtain medical attention.

Ingestion: Obtain immediate medical attention. Rinse mouth out with water and give water to drink. DO NOT INDUCE VOMITING.

Inhalation: May cause irritation to breathing passages and lungs. Remove to fresh air. Keep warm and at rest. Obtain medical attention if ill effects occur.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Alcohol resistant foam, Dry chemical, Carbon Dioxide and Water Fog (to cool containers)

DO NOT USE WATER JETS

MATERIAL SAFETY DATA SHEET – ‘REACH’ 1907/2006**PRODUCT:** BOGE 3000plusSheet 2 of 4
Last Revision: 16.03.09
Issue No: 02

Products of Combustion: Hazardous fumes may be evolved on burning or exposure to heat; this will include oxides of carbon.

Protective Equipment: Fire in confined spaces should be dealt with by trained personnel wearing approved breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid skin and eye contact. Wear appropriate protective clothing. Spills represent a significant slip hazard.

Environmental Precautions: Prevent entry into drains, sewers and watercourses.

Decontamination Procedure: Contain and recover using absorbent inert material and dispose of in accordance with local byelaws and/or statutory requirements. In case of large spills contact the appropriate authorities immediately.

7. HANDLING AND STORAGE

Handling Precautions: Avoid contact with eyes and prolonged or repeated skin contact. Wear appropriate protective clothing.

Storage Conditions: Store in tightly closed original container in a cool, dry, well-ventilated place. Store away from sources of ignition and strong oxidising agents. Protect from extremes of temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Wear chemical safety goggles.

Skin: Wear mineral oil resistant gloves and protective overalls and boots.

Inhalation: Ensure adequate ventilation or local exhaust measures.

Exposure Limits: LTEL (8 Hr TWA) Mineral Oil Mist = 5 mg/m³
STEL (15 min Ref) Mineral Oil Mist = 10mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Specific Gravity @ 15 °C	0.879
Kinematic Viscosity @ 40 °C	46 cSt
Flash Point (PMCC) °C	>190
Boiling Point Range °C	>320
Auto-ignition Temperature °C	>320
Solubility in Water	Insoluble
pH (3% Deionised)	Not applicable
Explosive Properties	Not applicable under normal conditions of use
Oxidising Properties	Not applicable under normal conditions of use

MATERIAL SAFETY DATA SHEET – ‘REACH’ 1907/2006

PRODUCT: BOGE 3000plus

Sheet 3 of 4
Last Revision: 16.03.09
Issue No: 02

10. STABILITY AND REACTIVITY

- Stability:** Stable under normal conditions of use.
- Incompatibility:** Avoid contact with strong oxidising agents.
- Decomposition:** Thermal decomposition can lead to the formation of a variety of compounds, the precise nature of which will depend on the prevailing conditions. Combustion will generate smoke and hazardous gases including oxides of carbon.

11. TOXICOLOGICAL INFORMATION

- Ingestion:** Expected to be of low order of oral toxicity. May cause nausea, vomiting and diarrhoea. Vomiting may result in aspiration into the lungs with possible resultant chemically induced pneumonia.
- Eyes:** Unlikely to cause more than transient irritation.
- Skin:** Unlikely to cause more than transient irritation. Prolonged contact in conditions of poor hygiene can lead to defatting of the skin and possible dermatitis.
- Inhalation:** Unlikely to be hazardous under normal conditions of use. Inhalation of mists may cause irritation to upper respiratory tract and lungs.

12. ECOLOGICAL INFORMATION

- Mobility:** Spillages may penetrate the soil causing ground contamination and eventually water contamination.
- Persistence and Degradability:** Expected to biodegrade slowly.
- Bioaccumulative Effect:** Contains components which have the potential to bioaccumulate.
- Aquatic Toxicity:** Will form a floating layer on surface, which will not dissolve to any great extent. Expected to be of a low order of toxicity to aquatic organisms, but has the potential to physically foul aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Place used and contaminated materials in suitable containers. Dispose of the waste in compliance with applicable local byelaws and/or statutory requirements. Always dispose of using a licensed waste disposal contractor.

14. TRANSPORT INFORMATION

- Hazard Information:** Not classified as hazardous for transportation.

MATERIAL SAFETY DATA SHEET – ‘REACH’ 1907/2006**PRODUCT:** BOGE 3000plusSheet 4 of 4
Last Revision: 16.03.09
Issue No: 02**15. REGULATORY INFORMATION****Hazard Label Data:** No label required.**Risk and Safety Phrases:** None**E.C. Directives:** 1907/2006/EC REACH
98/24/EC
67/548/EEC
Dangerous Preparations Directive 2001/60/EC
91/156/EEC Framework Waste Directive
87/101/EEC Waste Oil Directive
94/55/EC ADR (transport by Road)
96/49/EC RID (transport by Rail)**Other Statutory Information:** Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (CHIP 3)
EH40/2002 Occupational Exposure Limits
Health and Safety at Work Act 1974
Consumer Protection Act 1987
Control of Substances Hazardous to Health 1988
Environmental Protection Act 1990**16. OTHER INFORMATION****The Company:** The information given applies when these products are sold for their stated applications and no others. Use of these products for applications other than those stated may give rise to risks not already covered in this document. Before using for applications other than directed seek advice from the company.**Third Party:** If you have purchased this product for supply to a third party for use in the workplace, it is your duty to take all the necessary steps to ensure that any person handling this product is provided with the appropriate health and safety information.**The Employer:** If you are an employer, it is your duty to warn your employees and others who may be affected of the hazards, if any, that are associated with the use of this product and any precautions that should be taken.**Approved UK Codes of Practice:** Waste Management.
The Duty of Care.