MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION

Product Name	:	AP-3 Grease
Company	:	ARB BEARINGS LIMITED
		Village & P.O. –Nathupur Kundli, Distt. Sonepat Haryana (INDIA)
Telephone No.	:	0124-2219872
Fax No.	:	0124-2219873

2. COMPOSITION / INFORMATION OF INGREDIENTS

Chemical Name	:	Lithium Base Grease
OSHA	:	This product is covered by the OSHA Hazard communication Rule 29. No component is present in sufficient concentration to require a hazardous classification to the approved criteria.
DMSO	:	< 3%

3. HAZARDS IDENTIFICATION

Physical and Chemical Hazard	:	Non Hazardous Substance. Non-Dangerous goods.

4. FIRST AID MEASURES

Inhalation	:	If inhaled, remove to fresh air. Get medical attention.
Skin Contact	:	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention.
Eye Contact	:	In case of contact, flush immediately with plenty of water for up to 15 minutes. Remove contact lenses and keep eyelids open. Seek medical attention.
Ingestion	:	Clean mouth with water. Obtain medical advice if a large amount has been swallowed. Do not induce vomiting.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing media	:	Extinguish preferably with dry chemical or foam. Water spray / mist may be used.
Extinguishing media which must not be used for safety reasons	:	Water jet, unless used by authorized people. (Stain risk caused by combustion).
Protective eqpt for fire selection of respiratory protection of fire fighting fighters	:	Follow the general fire precautions indicated by the workplace.

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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	:	Suitable protection equipment should be used. In case of large spillage, the cleaning procedure should be carried out using suitable protective clothing such as overall, gloves and boots. Remove contaminated clothes as soon as possible. Smaller spillage can be wiped up with paper cloths, using protective gloves.
Method for Cleaning up	:	Scoop up leakage product and place in a sealed liquid-proof container for disposal. Absorb leaking with sand, earth or other suitable inert material and collect. Waste disposal according to section 13.
Physical and chemical hazard	:	At elevated temperatures flammable vapors and decompositions products will be released. Risk for slippery floors if spilled out.

7. HANDLING AND STORAGE

Handling	:	Avoid contact of spilled material and runoff with soil and surface waterways. Handle in accordance with good industrial hygiene and safety practices.
Storage	:	Keep out of the reach of children. Keep container tightly closed. Keep container in a cool, well-ventilated area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters	:	Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits.
Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of working period.

PERSONAL PROTECTION EQUIPMENT

Respiratory Protection	:	None required.
Hand Protection	:	Wear oil resistant protective gloves. Suitable gloves are neoprene, nitrile or acrylnitilebutadiene rubber, or PVC. Frequent change is advisable.
Eye Protection	:	Risk of splashes, wear safety goggles / safe shield.
Skin and body Protection	:	Wear protective clothing or apron when there is a risk of skin contact.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Semi Liquid
Color	:	Light Yellow
Odor	:	Oily
Type of Oil	:	Highly refined mineral oil
Flash Point	:	> 200° C (Closed cup) Pensky-Martens
Boiling Point	:	Not Available
Drop Point	:	>180° C
Density	:	Less than 1
Vapour Density	:	Not Available
Viscosity @ 100° C	:	More than 10 cSt
Inflammability	:	Non-inflammable, below 180° C
pH	:	Not applicable
Relative Density	:	0.9

10. STABILITY AND REACTIVITY

Stability	:	The product is Stable.
Avoid	:	Excessive heating and highly oxidizing agents.
Hazardous Decomposition Products	:	These products are carbon oxides, phosphates. Some metallic oxides.

11. TOXICOLOGICAL INFORMATION

Effects & Symptoms

Inhalation	:	At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of its low volatility. May be harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition product occurs.
Ingestion	:	Unlikely to cause harm if accidentally swallowed in small does, though larger quantities may cause nausea and diarrhea.
Skin contact	:	unlikely to cause harm to the skin on brief or occasional contact but prolonged or repeated exposure may lead to dermatitis.
Eye contact	:	Unlikely to cause more than transient stringing or redness if accidental eye contact occurs.

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12. ECOLOGICAL INFORMATION

Ecotoxicity	:	Harmful to aquatic organisms, may cause long term, adverse effects in the aquatic environment .
Mobility	:	Spillage may penetrate the soil causing ground water contamination.
Degradability	:	The product is expected to be slowly biodegradable.
Other adverse effects	:	None known.

13. DISPOSAL CONSIDERATIONS

Dispose of waste and residues according to agreement with local authorities.

14. TRANSPORT INFORMATION

This product is not covered by international regulation on the transport of dangerous goods. Containers should be kept closely tight, upright position and closed containers.

15. REGULATORY INFORMATION

National specific regulation may apply.

16. OTHER INFORMATION

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.