

MATERIAL SAFETY DATA SHEET

1) IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product Name: ARCTIC™
Chemical Family: Petroleum based lubricating grease.
Use: Equipment lubrication.

Manufacturer/Supplier: JET-LUBE (UK) LIMITED
Address: Reform Road, Maidenhead, Berkshire, SL6 8BY, UK
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2) HAZARDS IDENTIFICATION

Main Hazards - Health Effects

Eyes: May cause irritation.
Skin: For hypersensitive persons, may irritate the skin after prolonged periods of contact.
Inhalation: Viscous nature may block breathing passages if inhaled.
Ingestion: May cause diarrhoea.

3) COMPOSITION/INFORMATION OF INGREDIENTS

Hazardous Components	CAS No	EC No	WT%	OSHA PEL	ACGIH TLV	Other
Lubricating grease	74869-21-9	278-011-7	93-96	TWA-5mg/m ³ (Oil Mist)	DMSO to IP346	<3%
EP additive	68649-42-3		2-3	5mg/m ³	5mg/m ³	

4) FIRST AID MEASURES

Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help.
Skin: Wash thoroughly with hand cleanser, followed by soap & water. Contaminated clothing should be dry cleaned before reuse.
Inhalation: Clear air passage. If respiratory difficulty continues, seek medical help.
Ingestion: Do not induce vomiting. Seek medical assistance immediately.

5) FIRE FIGHTING MEASURES

Extinguishing Media: Foam, dry powder, carbon dioxide, sand, earth & water mist.
Unsuitable Exting. Media: Water jet.
Protective Equipment for Fire-fighting: Self contained breathing apparatus.

6) ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear gloves & protective overalls.
Environmental Precautions: Do not allow it to enter drains or watercourses.
Spillage: Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth or sand.

7) HANDLING AND STORAGE

Handling: No special handling precaution necessary.
Storage: Do not store at elevated temperatures.

8) EXPOSURE CONTROL/PERSONAL PROTECTION

Hand Protection: Protective gloves for hypersensitive persons.
Eye Protection: Glasses, if applied to parts in motion.
Body Protection: Overalls.
Respiratory Protection: None needed.

9) PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Semi-solid paste
Boiling Range/Point (°C): 316
Flash Point (PMCC) (°C): 160
Explosive Properties: LEL: 0.9%UEL: 7%
Evaporation Rate (Butyl Acetate): <0.01
Vapour Pressure: <0.01
Percent Volatiles: Nil
Oxidising Properties: None

Colour: Amber
Odour: Petroleum
pH: Neutral
Melting Point (°C): 138
Autoignition Temp (°C): 260
Partition Coefficient (Log Pow): N/A
Density (Kg/dm³): 0.89
Flammability: Not flammable at ambient temperature.
Solubility in Water: Slight
Vapour Density: >5
OAR Value: N/A

10) STABILITY AND REACTIVITY

Stability: Chemically stable under normal conditions. No photoreactive agents.
Conditions to Avoid: Powerful sources of ignition and extreme temperatures.
Materials to Avoid: Strong inorganic & organic acids, oxidising agents.
Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons & oxides of carbon, nitrogen & sulphur. Residue mainly comprised of soot & mineral oxides.

11) TOXICOLOGICAL INFORMATION

Acute Toxicity: Not known.
Subacute/Sub-chronic Toxicity: Not known.
Chronic Toxicity: None known.
Carcinogen: NTP: No. IARC: No. OSHA: No. EC Classification (67/548/EEC): No.
LC-50: >2000mg/kg-extrapolated from component data.

Irritancy-Skin: Very mild.
Genotoxicity: None known.
Allergens: None Known.
Skin Sensitisation: Not known.
LD-50: Not applicable.

12) ECOLOGICAL INFORMATION

Possible Effects: In extreme cases, may generate oil fractions that could act as a marine pollutant. Occurrences of this nature are highly unlikely.
Behaviour: Bioaccumulation potential nil.
Environmental Fate: Highly unlikely to cause widespread contamination. Non toxic to marine or land organisms.

13) DISPOSAL CONSIDERATIONS

Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice.
Container Disposal: Plastic pots -see Product Disposal section above.

14) TRANSPORT INFORMATION

Not classified as hazardous for transport.

15) REGULATORY INFORMATION

Labelling Information: None needed.
R Phrases: R22 Harmful if swallowed.
S Phrases: S45 In case of accident or if you feel unwell, seek medical help and show this label.

16) OTHER INFORMATION

Date of Original Issue: 28 May 1997
Revision No: 2BR

Date of this Revision: 10th Nov 2008
Revised Sections: 1 tel, 16 disclaimer

The information in this safety data sheet has been prepared with due care and is true and accurate to the best of our knowledge. Jet-lube UK shall not be held responsible for the suitability of this information for the user's intended purposes or the consequences of such use, and shall not be liable for any damage or loss, howsoever arising, direct or otherwise.