

MATERIAL SAFETY DATA SHEET

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

Product Name: ALCO-EP-73 PLUS™
Chemical Family: Aluminium 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 sensitive 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	5mg/m ³ (Oil Mist)	DMSO to IP346	<3%
EP additive	68649-42-3		1-2	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 and 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 help 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 and 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, soak up remaining residue with diatomaceous earth or sand.

7) HANDLING AND STORAGE

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

8) EXPOSURE CONTROL/PERSONAL PROTECTION

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

9) PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Semisolid
Boiling Range/Point (°C): 316°C
Flash Point (PMCC) (°C): 221°C
Explosive Properties: LEL: 0.9%
Partition Coefficient (Log Pow): N/A
Percent Volatiles: Nil
Oxidising Properties: None

Colour: Red Translucent
Melting Point (°C): 260°C typical
Autoignition Temp (°C): 260°C
UEL: 7%
Vapour Pressure: <0.01
Flammability: Not flammable at ambient temperature.
Solubility in Water: Nil
Vapour Density: >5

Odour: Petroleum
Evaporation Rate (Butyl Acetate): <0.01
Density (Kg/dm³): 0.91

10) STABILITY AND REACTIVITY

Stability: Chemically stable under normal conditions.
Conditions to Avoid: Powerful sources of ignition and extreme temperatures.
Materials to Avoid: Strong inorganic and organic acids, oxidising agents.
Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon, sulphur and nitrogen. Residue mainly comprised of soot and mineral oxides.

11) TOXICOLOGICAL INFORMATION

Acute Toxicity: Not known. **Irritancy-Skin:** Very mild. **Skin Sensitisation:** Not known.
Subacute/Sub-chronic Toxicity: Not known. **Genotoxicity:** None known.
Chronic Toxicity: None known.
Carcinogen: NTP: No. **IARC:** No. **OSHA:** No. **EC Classification (67/548/EEC):** No.
LC-50: >2000mg/l-extrapolated from component data (Mysidopsis Bahía) **LD-50:** Not applicable

12) ECOLOGICAL INFORMATION

Possible Effects: None
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: Pails - See Product Disposal section above.

14) TRANSPORT INFORMATION

Not classified as hazardous for transport.

15) REGULATORY INFORMATION

Labelling Information: None needed **EC Annex 1 Classification:** Not applicable.
R Phrases: R22 Harmful if swallowed.
S. Phrases: S45 In case of accident or if you feel unwell, seek medical advice and show this label.

16) OTHER INFORMATION

Date of Original Issue: 08.11.1998 **Date of This Revision:** 10th Nov 2008.
Revision No: 6BR **Revised sections:** 16 disclaimer

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