

MATERIAL SAFETY DATA SHEET

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

Product Name: AP-5
Chemical Family: Lubricating grease
Use: Equipment Lubrication

Manufacturer/Supplier: JET-LUBE (UK) LIMITED
Address: Reform Road, Maidenhead, Berkshire,
SL6 8BY, UK
Telephone: 01628 631913 **Fax:** 01628 773138
Emergency Telephone: 07919 488301

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	WT%	OSHA PEL	ACGIH TLV	Other
Lubricating grease	74869-21-9	90-95	5mg/m ³ (Oil mist)		DMSO to IP346<3%
Molybdenum Disulphide	317-33-5	3-6	15mg/m ³ (Dust)	1	

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 and show this label.

5) FIRE FIGHTING MEASURES

Extinguishing Media: Foam, dry powder, carbon dioxide, sand, earth and 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 precautions necessary.
Storage: Do not store at elevated temperatures.

8) EXPOSURE CONTROL/PERSONAL PROTECTION

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

9) PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Semisolid paste
Boiling Range/Point (°C): 371
Flash Point (PMCC) (°C): 293
Explosive Properties: LEL: 0.9% UEL: 7%
Partition Coefficient (Log Pow): N/A
Percent Volatiles: Nil
Oxidising Properties: None

Colour: Copper
Melting Point (°C): NA
Autoignition Temp (°C): 360
Evaporation Rate (Butyl Acetate): <0.01
Vapour Pressure: <0.01
Flammability: Not flammable at ambient temperature.
Solubility in Water: Slight, not readily soluble

pH: Neutral
Density (Kg/dm³): 0.92
OAR Value: N/A
Vapour Density: >5

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 and organic acids, oxidising agents.
Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon. Residue mainly comprised of soot and metal 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.
LC-50: >2000mg/kg-extrapolated from component data.

Irritancy-Skin: Very mild.
Genotoxicity: None known.
Allergens: None Known.
EC Classification (67/548/EEC): No.
LD-50: Not applicable.

12) ECOLOGICAL INFORMATION

Possible Effects: In extreme case may generate oil fractions that could act as a marine pollutant. Occurrences of this nature are highly unlikely.
Behaviour: Relatively well behaved. 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.

EC Annex 1 Class: NA
TSCA: All components as listed.

16) OTHER INFORMATION

Date of Original Issue: 30th May 2005
Revision No: 2BR

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

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