

MATERIAL SAFETY DATA SHEET

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

Product Name: API Modified
Chemical Family: Petroleum based lubricating grease.
Use: Tubing, casing and line pipe.

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: Possible rash for persons with sensitivity.
Inhalation: Viscous nature may block breathing passage if inhaled.
Ingestion: May cause diarrhoea, anaemia and birth defects. Lead is a suspected human carcinogen
Environmental effects: Lead, Copper & Zinc are toxic to aquatic organisms.

3) COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS No	EC No	WT%	OSHA PEL	ACGIH TLV	Other
Lubricating grease	748692-21-9	278-011-7	35-40	5mg/m ³ (As oil mist)	10mg/m ³	
Metallic Lead	7439-92-1	231-100-4	30-35	0.05mg/m ³	0.05mg/m ³ (As dust)	R23,R25,R61
Graphite	7440-44-0	231-153-3	15-20	2mg/m ³	2mg/m ³ (As dust)	
Metallic Zinc	7440-66-6	231-175-3	10-12	5mg/m ³	10mg/m ³ (As dust)	R50/53
Metallic Copper	7440-50-8	231-159-6	4-5	1mg/m ³	1mg/m ³ (As dust)	

* Base oil DMSO to IP346 < 3% so carcinogen warning does not apply

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 difficulties continue, seek medical help.
Ingestion: Consult physician about method involving metallic Lead.

5) FIRE FIGHTING MEASURES

Extinguishing Media: Foam, dry powder, carbon dioxide, sand, earth & water mist.
Unsuitable Extinguishing 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. Consult hazardous waste regulations.
Spillage: Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth or sand. Place in sealed container.

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 paste **Colour:** Brown **Odour:** Petroleum **pH:** Neutral
Boiling Range/Point (°C): 274 **Melting Point (°C):** 199 **Flash Point (PMCC) (°C):** 221
Autoignition Temp (°C): 260 **Explosive Properties:** LEL: 0.9% UEL: 7%
Evaporation Rate (Butyl Acetate): <0.01 **Partition Coefficient (Log Pow):** N/A
Vapour Pressure: <0.01 **Density (kg/dm³):** 1.97 **Percent Volatiles:** Nil
Flammability: Not flammable at ambient temperature. **Oxidising Properties:** None
Solubility in Water: Nil **Vapour Density:** >5 **OAR Group:** 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 and metal reactive agents.
Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon, sulphur and nitrogen. Residue mainly comprised of soot, metal & mineral oxides.

11) TOXICOLOGICAL INFORMATION

Acute Toxicity: Not known. **Irritancy-Skin:** Very mild. **Allergens:** Unknown.
Chronic Toxicity: May result in birth defects, anaemia, weight loss & impaired motor functions.
Skin Sensitisation: Not known. **Subacute/Sub-chronic Toxicity:** Not known.
Genotoxicity: Yes lead. **EC Classification (67/548/EEC):** No.
Carcinogen: NTP: No IARC: No. **OSHA:** No.
LC-50: Unknown, presumed toxin. **LD-50:** Not applicable.

12) ECOLOGICAL INFORMATION

Possible Effects: May generate oil fractions and lead that could act as a marine pollutant.
Behaviour: Bioaccumulation potential of metallic lead is minimal.
Environmental Fate: Toxic to marine and land organisms. More dense than water with limited solubility or mobility.

13) DISPOSAL CONSIDERATIONS

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

14) TRANSPORT INFORMATION

ADR/RID Class 9 Packing group III. UN number 3077. Label 9
Hazard ID No 90 Name. Environmentally hazardous substance, solid, n.o.s. (Lead/Zinc)
IMDG Class 9 Packing group III. UN number 3077. Label 9
Hazard ID No 90 Name. Environmentally hazardous substance, solid, n.o.s. (Lead/Zinc)
ICAO/IATA Class 9 Packing group III. UN number 3077. Label 9
Hazard ID No 90 Name. Environmentally hazardous substance, solid, n.o.s. (Lead/Zinc)

15) REGULATORY INFORMATION

Labelling information: Xn: harmful. Limited quantity UN3077 diamond.
EC Annex 1 classification: Not applicable.
R phrases: R22 harmful if swallowed R61 May cause harm to the unborn child
S phrases: S61 Avoid release to the environment.

16) OTHER INFORMATION

Date of Original Issue: 24/06/05 **Date of this Revision:** 23rd Dec 2009
Revision No: 5BR **Revised Sections:** 12, ecological

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