

MATERIAL SAFETY DATA SHEET

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

Product Name: KOPR-KOTE Auto/Manual
Chemical Family: Petroleum based thread compound.
Use: Thread Compound

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 passages if inhaled.
Ingestion: May cause diarrhoea.

3) COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	CAS No	EC No	WT%	OSHA PEL	ACGIH TLV	Other
Lubricating grease	74869-21-9	278-011-7	60-69	5mg/m ³ (As mist)	10mg/m ³	*
Metallic Copper	7440-50-8	231-159-6	10-20	1mg/m ³	1mg/m ³	
Graphite	7782-42-5	231-955-3	6-10	2mg/m ³	2 mg/m ³	
Molybdenum disulphide	1317-33-5	215-263-9	3-5	15mg/m ³		

* 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 inhalation 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: Wash out mouth immediately. Do not induce vomiting. Consult physician.

5) FIRE FIGHTING MEASURES

Extinguishing Media: Foam, dry powder, carbon dioxide, sand, earth or 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.
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
Boiling Range/Point (°C): >371
Flash Point (COC) (°C): >293
Explosive Properties: LEL: 0.9%UEL: 7%**Evaporation Rate (Butyl Acetate):**<0.01
Percent Volatiles: Nils
Oxidising Properties: None

Colour: Copper/Bronze
Melting Point (°C): 260
Autoignition Temp (°C): >360
Vapour Pressure: <0.01
Flammability: Not flammable at ambient temperature.
Solubility in Water: Nil
Vapour Density: >5
OAR Group: N/A

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 & organic acids, oxidising.
Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon, sulphur and nitrogen. Residue mainly comprised of soot & metal oxides.

11) TOXICOLOGICAL INFORMATION

Acute Toxicity: Not known. **Chronic Toxicity:** None known. **Irritancy-Skin:** Very mild,
Skin Sensitisation: None known. **Subacute/Sub-chronic Toxicity:** Not known.
Genotoxicity: None known. **EC Classification (67/548/EEC):** No.
Carcinogen: NTP: No IARC: No **OSHA:** No **LC-50:** (Turbot) >1,500mg/l **LD-50:** No applicable.

12) ECOLOGICAL INFORMATION

Possible Effects: Very toxic to marine organisms.
Behaviour: Bioaccumulation potential nil.
Environmental Fate: Harmful to the aquatic environment.

13) DISPOSAL CONSIDERATIONS

Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice.
Container Disposal: Pail may only be disposed of via standard waste disposal services or recycled.

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. (Copper)

IMDG Class 9 Packing group III. UN number 3077. Label 9
Hazard ID No 90 Name. Environmentally hazardous substance, solid, n.o.s. (Copper)

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

15) REGULATORY INFORMATION

Labelling information: N: Environmental symbol, Hazard label Class 9
EC Annex 1, part 2, cat 9a
R phrases: R22 harmful if swallowed R50/53 Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. **S phrases:** S61 Avoid release to the environment.

16) OTHER INFORMATION

Date of Original Issue: 08/01/04
Revision No: 7BR
Date of this Revision: 20th Nov 2009
Revised Sections: 14 transport, 15 Class 9

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