

# MATERIAL SAFETY DATA SHEET

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

**Product Name:** MARINE KOPR  
**Chemical Family:** Petroleum based antiseize 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 <sup>3</sup> (As mist)	10mg/m <sup>3</sup>	
Metallic Copper	7440-50-8	231-159-6	10-20	1mg/m <sup>3</sup>	1mg/m <sup>3</sup>	
Graphite	7782-42-5	231-955-3	6-10	2mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	
Molybdenum disulphide	1317-33-5	215-263-9	3-5	15mg/m <sup>3</sup>		

\* 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

**Odour:** Petroleum pH: Neutral  
**Density (Kg/dm<sup>3</sup>):** 1.10

## 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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