

# MATERIAL SAFETY DATA SHEET

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

**Product Name:** COPPERCREST  
**Chemical Family:** Anti-seize compound  
**Use:** Equipment Assembly

**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	ACGHI TLV	Other
Lubricating grease	74869-21-9	50-60	5mg/m <sup>3</sup> (Oil mist)		DMSO to IP346<3%
Graphite	7440-44-0	10-15	2mg/m <sup>3</sup> (Dust)		
Copper powder	744-50-8	10-15	1mg/m <sup>3</sup> (Dust)		
Calcium carbonate	471-34-1	3-6	10mg/m <sup>3</sup> (Dust)		
Talc	14807-96-6	3-6	2mg/m <sup>3</sup> (Dust)		
Molybdenum Disulphide	317-33-5	1-2	15mg/m <sup>3</sup> (Dust)		

## 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 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 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. Place in sealed container.

## 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:** None needed.

## 9) PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Semisolid paste **Colour:** Copper **Odour:** Petroleum **pH:** Neutral  
**Boiling Range/Point (°C):** 371 **Melting Point (°C):** Non melting **Flash Point (PMCC) (°C):** 293  
**Autoignition Temp (°C):** 360 **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/dm<sup>3</sup>):** 1.15 **Percent Volatiles:** Nil **Flammability:** Not flammable at ambient temperature.  
**OAR Value:** N/A **Oxidising Properties:** None **Solubility in Water:** Slight, not readily soluble **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. **Irritancy-Skin:** Very mild. **Skin Sensitisation:** Not known  
**Subacute/Sub-chronic Toxicity:** Not known. **Genotoxicity:** None known. **Chronic Toxicity:** None known.  
**Allergens:** None Known. **Carcinogen:** NTP: No. **IARC:** No. **OSHA:** No.  
**EC Classification (67/548/EEC):** No. **LC-50(Turbot):** >1,5000mg/kg. **LD-50:** Not applicable.

## 12) ECOLOGICAL INFORMATION

**Possible Effects:** Very toxic to aquatic 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:** Plastic containers - 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. (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:** 30th May 2005 **Date of this Revision:** 20th Nov 2009  
**Revision No:** 3BR **Revised Sections:** 14 transport, 15 Class 9

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