

# MATERIAL SAFETY DATA SHEET

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

**Product Name:** C-PLATE™ Aerosol  
**Chemical Family:** Paints and coatings  
**Use:** Protective copper anti-gall coating.

**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) COMPOSITION/INFORMATION OF INGREDIENTS

Hazardous Components	CAS No	WT%	OSHA PEL	ACGHI TLV	Other
Ketones	67-64-1 & 78-93-3	55 min	>200	>200	STEL: >885mg/m <sup>3</sup>
Aromatic Solvents	1330-20-7 & 108-88-3	20 max	>100	>100	STEL: >665mg/m <sup>3</sup>
Copper Powder	7440-50-8	15 max	N/A	1mg/m <sup>3</sup>	N/A
Hydrocarbon Propellant	68476-85-7	25 max	1000 ppm	1000 ppm	STEL: 2mg/m <sup>3</sup>

## 3) HAZARDS IDENTIFICATION

### Main Hazards - Health Effects

**Eyes:** Causes irritation and pain if splashed into eye.  
**Inhalation:** May cause dizziness, irritation of nasal passages and eyes in high vapour concentrations.  
**Ingestion:** May cause diarrhoea. **Skin:** May irritate the skin after prolonged periods of contact.

## 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 passages. If respiratory difficulty continues, seek medical help.  
**Ingestion:** Wash out mouth immediately. 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. Do not puncture or burn containers.  
**Environmental Precautions:** Do not allow it to enter drains.  
**Spillage:** Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth.

## 7) HANDLING AND STORAGE

**Handling:** No special handling precautions necessary.  
**Storage:** Pressurised container, protect from sources of ignition, direct sunlight and temperatures exceeding 50°C (122°F). Do not puncture or burn, even after use. Keep away from children.

## 8) EXPOSURE CONTROL/PERSONAL PROTECTION

**Hand Protection:** No special handling precautions necessary.  
**Eye Protection:** Glasses, if applied to parts in motion. **Body Protection:** Chemical resistant apron.  
**Respiratory Protection:** None needed in well ventilated areas.

## 9) PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Metallic containing fluid. **Colour:** Copper **Odour:** Ketone type  
**Boiling Range/Point (°C):** >149°C **Melting Point (°C):** Not applicable  
**Flash Point (PMCC) (°C):** -20°C **Propellant Flash Point:** -60°C  
**Autoignition Temp (°C):** >500 (260) **Explosive Properties:** LEL: 2.6% UEL: 12.8%  
**Evaporation Rate (Butyl Acetate):** >4.6 **Partition Coefficient (Log Pow):** N/A  
**Vapour Pressure:** 420 **Density (kg/dm<sup>3</sup>):** 0.88 **Percent Volatiles:** 75% including propellant  
**Flammability:** Flammable at ambient temperature. **Oxidising Properties:** None.  
**Solubility in Water:** Solvent 75% soluble **Vapour Vapour Density:** >2.93

## 10) STABILITY AND REACTIVITY

**Stability:** Chemically stable under normal conditions, but aerosols must be kept below 50°C.  
**Conditions to Avoid:** Powerful sources of ignition and extreme temperatures.  
**Materials to Avoid:** Strong inorganic & organic acids, oxidising agents.  
**Hazardous Decomposition Products:** Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon. Residue comprised of soot and metal oxides.

## 11) TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Not known. **Subacute/Sub-chronic Toxicity:** Not known. **Chronic Toxicity:** None known.  
**Irritancy-Skin:** Very mild. **Skin Sensitisation:** Not known. **Carcinogen: NTP:** No. **IARC:** No. **OSHA:** No. **EC Classification (67/548/EEC):** LC-50: Unknown. LD-50: N/A.  
**Genotoxicity:** None known.

## 12) ECOLOGICAL INFORMATION

**Possible Effects:** May act as a marine pollutant.  
**Behaviour:** Unknown. **Mobility:** Unknown. **KOC:** Unknown.  
**Environmental Fate:** Copper is toxic to marine organisms.

## 13) DISPOSAL CONSIDERATIONS

**Product Disposal:** Do not incinerate. Contact waste disposal company or local authority for advice.  
**Container Disposal:** Consult waste disposal company or local authority for advice.

## 14) TRANSPORT INFORMATION

**UN No:** 1950 **Proper shipping name:** Aerosols, flammable  
**Air Transport (ICAO & IATA):** Class 2.1 **Sea Transport (IMO & IMDG):** Aerosol Class 2.1  
**Road & Rail Transport (ADR/RID):** Class 2.1 **Packing group:** N/A

## 15) REGULATORY INFORMATION

**Labelling Information:** Extremely flammable liquid N.O.S./Aerosols **EC Annex 1 Classification:** N/A  
**R Phrases:** R12 Extremely flammable. R20/22 Harmful by inhalation and if swallowed  
R67 Vapours may cause drowsiness and dizziness.  
**S Phrases:** S2 Keep away from children S3 Keep in a cool place.  
S51 Use only in well-ventilated areas.  
**Symbols (If Required):** F, Flame Symbol

## 16) OTHER INFORMATION

**Date of Issue:** July 11, 1996 **Revision Date:** 8<sup>th</sup> Jan 2010  
**Revision No:** 2BR **Revised sections:** 14 trans, 15 labelling

The information in this safety data sheet has been prepared with due care and is true and accurate to the best of our knowledge. Jet-lube UK shall not be held responsible for the suitability of this information for the user's intended purposes or the consequences of such use, and shall not be liable for any damage or loss, howsoever arising, direct or otherwise.