



MATERIAL SAFETY DATA SHEET

Hazardous according to criteria of Worksafe Australia.

I. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY			
Product Name:	Kopper Plate	Manufacturer/Supplier:	
Chemical Family:	Petroleum Hydrocarbon	The Whitmore Manufacturing Company	
Use:	Anti-Seize Lubricant	930 Whitmore Drive Rockwall, Texas 75087, U.S.A.	
Emergency Tel. No.:	CHEMTREC	U.S.A. & Canada	800-424-9300 (24 hrs)
		International	703-527-3887 (Collect - 24 hr)
		Australia	00-111-703-527-3887 (Collect - 24 hr)

II. COMPOSITION INFORMATION ON INGREDIENTS					
<u>Hazardous Components</u>	<u>CAS No.</u>	<u>Wt%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Australia TWA</u>
Copper Powder	7440-50-8	15 max	1 mg/m ³	1 mg/m ³	1 mg/m ³

III. ADVERSE HUMAN HEALTH EFFECTS	
Eyes:	Any eye contact will cause irritation.
Skin:	Prolonged skin contact will cause irritation.
Inhalation:	Breathing fumes in confined areas at elevated temperatures will cause lung irritation.
Ingestion:	Harmful if swallowed.

IV. FIRST AID MEASURES	
Eyes:	Flush with large amounts of cold water. If irritation persists, SEEK MEDICAL ATTENTION.
Skin:	Thoroughly wash exposed area with soap and water.
Inhalation:	Provide fresh air source. If irritation persists, SEEK MEDICAL ATTENTION.
Ingestion:	Do not induce vomiting. SEEK MEDICAL ATTENTION.

V. FIRE FIGHTING MEASURES	
Extinguishing Media:	Foam, CO ₂ , Dry Chemical
Unsuitable Extinguishing Media:	Not Known
Fire Fighting Protective Equipment:	Treat as an oil fire.

VI. ACCIDENTAL RELEASE MEASURES	
Personal Precautions:	Wear plastic or neoprene rubber gloves.
Environmental Precautions:	Do not allow it to enter drains.
Spillage:	Absorb with dry inert material and shovel up.

VII. HANDLING AND STORAGE	
Handling:	Keep away from open flame and sparks.
Storage:	Store in metal containers until disposal.

VIII. EXPOSURE CONTROL/PERSONAL PROTECTION	
Respiratory Protection:	If product is overheated, use organic NIOSH/MSHA filter-type respirator.
Hand Protection:	Plastic or Neoprene Rubber
Eye Protection:	Safety Goggles.
Body Protection:	None

HMS SYMBOLS

Health	1
Flammability	1
Reactivity	0
PPI	B

MSDS-037

Effective Date: 10-17-96

Revised Date: 8-22-12

IX. PHYSICAL AND CHEMICAL PROPERTIES			
Physical State:	Grease	Color:	Copper Bronze
Boiling Range/point, °F (°C):	>600 (>315)	Melting Point, °F (°C):	>480 (>249)
Flash Point (COC), °F (°C):	[>430 (>221) (Base Oils)]	Autoignition Temperature, °F (°C):	Not Known
Explosive Properties:	LEL: 0.9	UEL: 7.0	Evaporation Rate (Butyl Acetate): Nil
Partition Coefficient (Log Pow):	N/A	Vapor Pressure (kPa):	Nil
Density:	1.09	Flammability:	Not Known
Oxidizing Properties:	Nil	Solubilities in Water:	Nil
		Vapor Density:	>5
		% Volatiles:	Nil

X. STABILITY AND REACTIVITY	
Stability:	Chemically stable under normal conditions.
Conditions to Avoid:	Direct flame.
Materials to Avoid:	Strong inorganic and organic acids and oxidizing agents.
Decomposition Products:	Oxides of hydrocarbons and carbon.

XI. TOXICOLOGICAL INFORMATION			
Acute Toxicity:	Not Known	Skin Irritancy:	Very Mild
Chronic Toxicity:	Not Known	Skin Sensitization:	Not Known
Sub-acute/Subchronic Toxicity:	Not Known	Genotoxicity:	Not Known
California Prop 65:	Not Available	EC Classification (67/548/EEC):	R22
Carcinogenicity:	NTP: No	IARC:	No
LC-50:	Not Available	LD-50:	Not Available

XII. ECOLOGICAL INFORMATION	
Possible Effects:	Unknown
Behavior:	Relatively well behaved. Bioaccumulation potential nil.
Environmental Fate:	Not thought to be toxic to marine or land organisms.

XIII. WASTE DISPOSAL	
Product Disposal:	Observe all local, state & federal regulations concerning disposal of lubricating grease.
Container Disposal:	Observe all local, state & federal regulations concerning disposal of lubricating grease.

XIV. TRANSPORT INFORMATION	
DOT:	Not Regulated
UN No.:	Not Regulated
Air Transport (ICAO/IATA):	Not Regulated
Sea Transport (IMO/IMDG):	Not Regulated
Road and Rail Transport (ADR/RID):	Not Regulated

XV. REGULATORY INFORMATION	
Labeling Information:	N/A
EC Annex 1 Classification:	R22
R Phrases:	R22 Harmful if swallowed.
S Phrases:	S2 Keep away from children.
Ozone Depleting Chemicals:	None/Nil
TSCA:	All Components are listed.
WHMIS (Canada):	Not Regulated
EPA Regulation 40 CFR Part 372 (SARA Section 313):	See Section II.

XVI. OTHER INFORMATION	
None	