

IMG Chemicals Corporation

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION:

Company Contact Information
IMG Chemicals Corporation
P.O. Box 52461 Atlanta, GA 30355 USA
Telephone: +1(678) 513-69-23
Emergency Telephone Number
CHEMTREC: 800-424-9300 (24 hours)

Product Name: **Copper Anti-Seize Hi-Temp Lubricant**
Item N^o: **MG-508**
Product Type: Lubricant

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	ACGIH 8 Hr. TWA:	OSHA 8 Hr. TWA:
COPPER 7440-50-8	20-30 (fumes)	1.0 mg/m ³ (dust and mist); 0.2 mg/m ³ (fumes)	1.0 mg/m ³ (dust and mist); 0.1 mg/m ³
GRAPHITE 7782-42-5	15-25	3 mg/m ³ TWA	3 mg/m ³ TWA
DISTILLATES (PETROLEUM), ACID-TREATED HEAVY NAPHTHENIC 64742-18-3	10-20	5 mg/m ³	5 mg/m ³
SILICA, QUARTZ 14808-60-7	0.1-1.0	0.1 mg/m ³ TWA (respirable dust)	0.1 mg/m ³ TWA (respirable dust)
PROPANE 74-98-6	5-15	simple asphyxiant; 2500 ppm TWA	1000 ppm TWA; 1800 mg/m ³ TWA
BUTANE [1], ISOBUTANE [2] 106-97-8	5-15	800 ppm TWA; 1900 mg/m ³ TWA	800 ppm TWA; 1900 mg/m ³ TWA

3. HAZARDS IDENTIFICATION

Toxicity:

Harmful if swallowed. At elevated temperatures may cause irritation of the eyes and respiratory tract. Repeated and prolonged inhalation of graphite dust may cause pulmonary fibrosis, emphysema and pneumoconiosis. This product contains encapsulated silicon dioxide (quartz silica). No exposure to free respirable silica is anticipated during normal use of this product. Silica may be released by grinding or machining of coated material. Use NIOSH-approved dust/mist respirator when grinding or machining. This product contains encapsulated metal powder which contains copper and zinc. No exposure to free metal is anticipated during normal use. If grinding or machining coated surfaces, use appropriate protective measures. Repeated or prolonged exposure to metal dust may cause metal-fume fever, metallic taste and discoloration of the skin and hair.

Primary Routes of Entry:

Eye and skin contact, ingestion, inhalation.

Signs and Symptoms of Exposure:

Slightly irritating to eyes, but does not injure eye tissue. May cause skin irritation. Inhalation of dust at levels above recommended exposure limit may cause metallic or sweet taste, irritation of pharynx and possible ulceration with perforation of the nasal septum. Moderately toxic if swallowed. Irritating to mouth, throat and stomach with nausea.

Ingredients	Percent	NTP:	ACGIH Carcinogens	IARC:
SILICA, QUARTZ 14808-60-7	0.1-1.0	Known Carcinogen	Group 1; Vol. 68; 1997	

Medical Conditions Recognized

as Being Aggravated by Exposure:

Preexisting pulmonary and dermatological disorders

4. FIRST AID MEASURES

Ingestion:

If swallowed, DO NOT induce vomiting. Drink water or milk. Seek medical attention immediately. Never give fluids or induce vomiting if the victim is unconscious or having convulsions.

Inhalation:

No specific treatment is necessary since this material is not likely to be hazardous during normal use. If exposed to excessive levels of dust or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

Skin Contact:

Remove contaminated clothing. Wash area with soap and water. If irritation persists, seek medical attention.

Eye Contact:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

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5. FIRE FIGHTING MEASURES

Flash Point (°F/C): 300 degrees F. Method: Pensky-Martens CC

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.

Special Fire-Fighting Procedures: Wear approved positive-pressure self-contained breathing apparatus and protective clothing. Use water to cool exposed containers. Water stream directed into fire may cause frothing with subsequent spread of flame.

Hazardous Products

Formed by Fire or

Thermal Decomposition: Irritating vapors.

Unusual Fire/Explosion Hazards: Finely divided dust in air may present explosion hazard. Prevent dust build up. Closed containers may rupture or explode when exposed to extreme heat.

Lower Explosive Limit: Not determined

Upper Explosive Limit: Not determined

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Reclaim clean material. Contaminated material should be swept or shoveled into appropriate waste container for proper disposal.

7. HANDLING AND STORAGE

Storage: Store away from heat.

Handling: Avoid contact with skin and eyes. Avoid contact with vapors from heated material. Keep container closed when not in use. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Do not take internally.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses or goggles.

Skin: Clean clothing to cover skin. Cloth or synthetic gloves.

Ventilation: General ventilation is usually adequate.

Respiratory Protection: None normally required under general ventilation. If exposure levels are unknown or exceed TLV, use NIOSH-approved respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Copper colored

Odor: Petroleum Odor

Boiling Point (°F): 550 - 4215 degrees F.

pH: Does not apply

Solubility in Water: Insoluble

Specific Gravity: 1.3

VOC Content(Wt.%): Not determined

Vapor Pressure: Not determined

Vapor Density (Air=1): Heavier than air

Evaporation Rate: <1 (butyl acetate = 1)

10. STABILITY AND REACTIVITY

Chemical Stability: Stable at normal conditions

Hazardous Polymerization: WILL NOT OCCUR

Incompatibilities: Strong mineral acids, strong bases or oxidants, nitrates, nitrites, chlorinated hydrocarbons, chlorides, palladium, selenium, manganese, magnesium, potassium chlorate, sodium carbonate, sulfates, diborane

Conditions to Avoid: Excessive heat

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11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Follow Canadian and local regulations for disposal.

US EPA Waste Number: NH - Not a RCRA Hazardous Waste Material

14. TRANSPORT INFORMATION

DOT (49CFR 172)

Domestic Ground Transport

DOT Shipping Name: CONSUMER COMMODITY

Hazard Class: ORM-D

UN/ID Number: None

Marine Pollutant: None

IMDG

UN1950, AEROSOLS, CLASS 2.1, LTD QTY

EMS: F-D, S-U

BOXES OF 12 EACH 13.5 OZ METAL CAN, PLASTIC CAP

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical
COPPER

TSCA Inventory Status:

All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 1, FLAMMABILITY 1, REACTIVITY 0

Estimated HMIS Classification: FLAMMABILITY 1, REACTIVITY 0, HEALTH 1

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

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