

# 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: RTV Silicone Gasket Maker Copper  
Item N<sup>o</sup>: MG-407  
Product Type: Silicone

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	ACGIH 8 Hr. TWA:	OSHA 8 Hr. TWA:
POLY (DIMETHYLSILOXANE), HYDROXY TERMINATED 70131-67-8	50-60		
POLYDIMETHYLSILOXANE 63148-62-9	20-30		
VINYL OXIMINOSILANE 2224-33-1	1-10		
MODIFIED SILICON DIOXIDE 68611-44-9	1-10		
SILICA, MICA 12001-26-2	1-10	3 mg/m3 TWA	20 mppcf
IRON OXIDE 1309-37-1	1-10	5 mg/m3 (Fe)	10 mg/m3 (Fe) particulate
SUBSTITUTED UREA 23843-64-3	1-10		
2-BUTANONE OXIME 96-29-7	****		

### 3. HAZARDS IDENTIFICATION

**Toxicity:** May cause eye and skin irritation. \*\*\*\*When this product if exposed to moisture, up to 5% butanone oxime may be formed. When heated to temperatures above 300 degrees F. in the presence of air, this product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Safe handling conditions may be maintained by keeping vapor concentrations below the OSHA permissible limit for formaldehyde. May be harmful if swallowed. May irritate lips, gums, tongue, mouth, nose and throat.

**Primary Routes of Entry:** Eye and skin contact, ingestion, inhalation.

**Signs and Symptoms of Exposure:** Butanone oxime produced during curing is toxic and irritates eyes, nose and throat. Overexposure to the silane may cause coma and respiratory failure.

Ingredients	Percent	NTP:	ACGIH Carcinogens	IARC:
IRON OXIDE 1309-37-1	1-10		A4 - Not Classifiable	Group 3

#### Medical Conditions

#### Recognized as Being

#### Aggravated by Exposure:

Persons with respiratory problems such as emphysema and asthma should avoid inhalation.

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#### 4. FIRST AID MEASURES

**Ingestion:** Rinse mouth with water several times. If swallowed, DO NOT induce vomiting. Keep individual calm. Obtain medical attention.

**Inhalation:** If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

**Skin Contact:** Wipe off paste with paper towel or cloth. Wash exposed area with soap and water. Seek medical.

**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.

#### 5. FIRE FIGHTING MEASURES

**Flash Point (°F/C):** More than 200 degrees F. Method: Tag Closed Cup

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

**Special Fire-Fighting Procedures:** Water spray may be ineffective on flames but should be used to keep fire-exposed containers cool.

**Hazardous Products Formed by Fire or Thermal Decomposition:** Oxides of nitrogen, Methyl ethyl ketone, possibly methyl ethyl ketoxime. Silica fume, Oxides of carbon. Formaldehyde

**Unusual Fire/Explosion Hazards:** None

**Lower Explosive Limit:** Ferric oxide: 2.6

**Upper Explosive Limit:** Ferric oxide: 12.5

#### 6. ACCIDENTAL RELEASE MEASURES

**Spill Procedures:** Wipe or scrape up spill material. Maintain good ventilation for large spills. Place scrap material in a well-ventilated area and allow to cure to rubber. Clean up spills thoroughly as residue is slippery.

#### 7. HANDLING AND STORAGE

**Storage:** Store in a dry area below 90 degrees F. Keep container closed when not in use.

**Handling:** Avoid contact with skin and eyes. Do not inhale vapors.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** Safety glasses or goggles. Avoid contact lenses.

**Skin:** Rubber or plastic gloves

**Ventilation:** General ventilation is usually adequate.

**Respiratory Protection:** Not normally necessary. An approved respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Copper-colored paste

**Odor:** MILD

**Boiling Point (°F):** Not applicable, polymeric material

**pH:** 7-8y

**Solubility in Water:** Polymerized

**Specific Gravity:** 1.059

**VOC Content(Wt.%):** 5.3% by weight; 56 g/l

**Vapor Pressure:** Less than 5 mm Hg @ 80 degrees F.

**Vapor Density (Air=1):** 3.0

**Evaporation Rate:** Not determined

#### 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable at normal conditions

**Hazardous Polymerization:** WILL NOT OCCUR

**Incompatibilities:** Polymerized by contact with moisture. Strong oxidizers. Acids, Iron.

**Conditions to Avoid:** Moisture while storing.

**Hazardous Products Formed by Fire or Thermal Decomposition:** Oxides of nitrogen, Methyl ethyl ketone, possibly methyl ethyl ketoxime. Silica fume, Oxides of carbon. Formaldehyde

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## 11. TOXICOLOGICAL INFORMATION

See Section 3

## 12. ECOLOGICAL INFORMATION

No data available

## 13. DISPOSAL CONSIDERATIONS

**Recommended Method of Disposal:** Disposal should be made in accordance with federal, state and local regulations.

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

## 14. TRANSPORT INFORMATION

DOT (49CFR 172)

### Domestic Ground Transport

**DOT Shipping Name:** Unrestricted

**Hazard Class:** NONE

**UN/ID Number:** None

**Marine Pollutant:** None

### IMDG

**Proper Shipping:** Unrestricted

**Hazard Class:** None

**UN Number:** None

## 15. REGULATORY INFORMATION

**SARA 313 Chemicals:** The following component(s) is listed as a SARA Section 313 Toxic Chemical  
NONE

### **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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