

# 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: **Clear Silicone Adhesive Sealant (Colors)**  
Item N<sup>o</sup>: **MG-410, MG-411**  
Product Type: Silicone

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	ACGIH 8 Hr. TWA:	OSHA 8 Hr. TWA:
POLYDIMETHYLSILOXANE 63148-62-9	80-90		
SILICON DIOXIDE, AMORPHOUS 112945-52-5	1-10	10 mg/m3 TWA	6 mg/m3 TWA
ETHYLTRIAACETOXYSILANE 17689-77-9	1-10		
METHYLTRIAACETOXYSILANE 4253-34-3	1-10		
ACETIC ACID ... % 64-19-7	****	10 ppm TWA; 25 mg/m3 TWA	10 ppm TWA; 25 mg/m3 TWA

### 3. HAZARDS IDENTIFICATION

**Toxicity:** \*\*\*\*When this product is exposed to moisture, 1-3% acetic acid may be formed. May cause eye and skin irritation. May irritate lips, gums, tongue, mouth, nose and throat. May be harmful if swallowed. 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.

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

**Signs and Symptoms of Exposure:** Acetic acid produced during curing irritates eyes, nose and throat. Repeated skin contact may cause allergic skin reactions.

Ingredients	Percent	NTP:	ACGIH Carcinogens	IARC:
SILICON DIOXIDE, AMORPHOUS 112945-52-5	1-10	Group 2 - Reasonably anticipated		Amorphous Silica, Group 3: Vol. 68: 1997

**Medical Conditions Recognized as Being Aggravated by Exposure:** Methyltriacetoxysilane: Eye, skin and pulmonary disorders.

### 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 attention if irritation persists.

**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):** 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:** Formaldehyde, Silica fume, Acetic acid,  
**Unusual Fire/Explosion Hazards:** None  
**Lower Explosive Limit:** Acetic acid: 4%  
**Upper Explosive Limit:** Acetic acid: 19.9% @ 200 degrees F.

## 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. Do not wear contact lenses. Product releases acetic acid during application and curing. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** Not normally required, but wearing safety glasses will minimize exposure.  
**Skin:** Rubber or plastic gloves  
**Ventilation:** General ventilation is usually adequate.  
**Respiratory Protection:** Not normally necessary.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear paste  
**Odor:** ACETIC ACID ODOR  
**Boiling Point (°F):** Not applicable, polymeric material  
**pH:** Does not apply  
**Solubility in Water:** Polymerized  
**Specific Gravity:** 1.01  
**VOC Content(Wt.%):** 4.7% bt weight; 47.47 g/l  
**Vapor Pressure:** 10 mm Hg @ 80 degrees F.  
**Vapor Density (Air=1):** Not Determined  
**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. Acetic acid liberated.  
**Conditions to Avoid:** Moisture while storing.  
**Hazardous Products Formed by Fire or Thermal Decomposition:** Formaldehyde, Silica fume, Acetic acid

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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 2, FLAMMABILITY 1, REACTIVITY 1

**Estimated HMIS Classification:** FLAMMABILITY 1, REACTIVITY 1, HEALTH 2

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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