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## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

**Product Name:** LIQUID METAL FILLER 3.5 FL.OZ  
**Item No:** 25909  
**Product Type:** Sealant

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
BARIUM SULFATE 7727-43-7	45-55	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
KAOLIN 1332-58-7	15-25	2 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
ACETONE 67-64-1	10-20	500 ppm	1000 ppm; 2400 mg/m <sup>3</sup>
COPOLYMER OF VINYL CHLORIDE, VINYL ACETATE AND DICARBONIC ACID 32650-26-3	<10	Not listed	Not listed
ISOBUTYL ACETATE 110-19-0	<7	150 ppm	150 ppm; 700 mg/m <sup>3</sup>
TITANIUM DIOXIDE 13463-67-7	0.1-1.0	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
SILICA, QUARTZ 14808-60-7	0.1-1.0	0.025 mg/m <sup>3</sup>	Not listed

### 3. HAZARDS IDENTIFICATION

**Toxicity:** May cause eye, skin and respiratory irritation. May cause gastrointestinal irritation.  
**Primary Routes of Entry:** Eye and skin contact, ingestion, inhalation  
**Signs and Symptoms of Exposure:** Excessive overexposure may cause giddiness, dizziness, headache, nausea and in extreme cases, unconsciousness and respiratory depression. Inhaling may cause mild irritation to the nose, throat and respiratory tract and may result in central nervous system (CNS) depression. Moderately toxic if swallowed. Irritating to mouth, throat and stomach with nausea. Overexposure may cause eye and skin redness.

Component	Weight%	NTP	ACGIH Carcinogens	IARC
BARIUM SULFATE 7727-43-7	45-55		Group A4 - Not classifiable	
KAOLIN 1332-58-7	15-25		A4-Not classifiable as a human carcinogen	
ACETONE 67-64-1	10-20	Not known	A4 - Not Classifiable as a Human Carcinogen	
TITANIUM DIOXIDE 13463-67-7	0.1-1.0	male rat-negative, female rat-negative, male mice-negative, female mice-negative	A4	Group 2B; Vol 93,2006; Vol 47,1989
SILICA, QUARTZ 14808-60-7	0.1-1.0		A2 - Suspected Human Carcinogen	Group 1; Monograph 68, 1997

**Medical Conditions Recognized as Being Aggravated by Exposure:** Preexisting skin disorders.

### 4. FIRST AID MEASURES

**Ingestion:** Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Move to fresh air in case of accidental inhalation of vapours. Oxygen or artificial respiration if needed. Obtain medical attention.
<b>Skin Contact:</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
<b>Eye Contact:</b>	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

<b>Flash Point °F(C°):</b>	0°F TCC
<b>Recommended Extinguishing Media:</b>	Carbon Dioxide, Dry Chemicals, Foam.
<b>Special Fire-Fighting Procedures:</b>	Water spray may be ineffective on flames but should be used to keep fire-exposed containers cool.
<b>Hazardous Products of Combustion:</b>	Oxides of carbon, Hydrogen chloride
<b>Unusual Fire/Explosion Hazards:</b>	Flammable. Keep away from heat and sources of ignition.
<b>Lower Explosive Limit:</b>	2.4
<b>Upper Explosive Limit:</b>	12.8

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Spill Procedures:</b>	Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.
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#### 7. HANDLING AND STORAGE

<b>Storage:</b>	Store away from heat, sparks or open flame. Do not store at temperatures above 100°F (38°C).
<b>Handling:</b>	Avoid contact with skin and eyes. Do not inhale vapors. Keep container closed when not in use. Wash thoroughly after handling.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Eyes:</b>	Safety glasses.
<b>Skin:</b>	Neoprene or nitrile gloves recommended.
<b>Ventilation:</b>	General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.
<b>Respiratory Protection:</b>	An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable limits.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Black liquid
<b>Odor:</b>	Solvent
<b>Boiling Point:</b>	130°F to 245°F
<b>pH:</b>	Does not apply
<b>Solubility in Water:</b>	Partial
<b>Specific Gravity:</b>	1.91
<b>VOC(Wt.%):</b>	7.5%
<b>Vapor Pressure:</b>	181 mm Hg @ 68°F
<b>Vapor Density (Air=1):</b>	>1 (air = 1)
<b>Evaporation Rate:</b>	<1 (butyl acetate=1)

#### 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable at normal conditions
<b>Hazardous Polymerization:</b>	Will not occur
<b>Incompatibilities:</b>	Strong oxidizers, Acids, Reducing agents
<b>Conditions to Avoid:</b>	Heat.
<b>Hazardous Products of Combustion:</b>	Oxides of carbon, Hydrogen chloride

#### 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:** D001, May be a TCLP waste per 40CFR 261.24/Barium.

### 14. TRANSPORTATION INFORMATION

#### **DOT (49CFR 172)**

#### **Ground Transport (DOT)**

**DOT Shipping Name:** Consumer Commodity (not more than one liter)  
**Hazard Class:** ORM-D  
**UN/ID Number:** None

#### **IATA**

**Proper Shipping Name:** Consumer Commodity (Not more than 1 liter)  
**Class or Division:** Class 9  
**UN/ID Number:** ID 8000

#### **IMDG**

**Proper Shipping:** Adhesives containing flammable liquid, Limited Quantity  
**Hazard Class:** Class 3, PG II  
**UN Number:** UN 1133

**Marine Pollutant:** None

### 15. REGULATORY INFORMATION

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

NONE

**California Proposition 65:** No California Prop 65 chemicals are known to be present at or above the No Significant Risk Level

**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 3, REACTIVITY 0.

**Estimated HMIS Classification:** HEALTH 2, FLAMMABILITY 3, PHYSICAL HAZARD 0

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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