

SAFETY DATA SHEET

1.0 IDENTIFICATION

- 1.1 **GHS product identifier:** 882 Filler
- 1.2 **Other means of identification:** Amorphous Fumed Silica
- 1.3 **Recommended use of the chemical and restrictions on use:** N/A
- 1.4 **Supplier's details:** CASS POLYMERS OF MICHIGAN, INC.
815 WEST SHEPHERD STREET
CHARLOTTE MI 48813 USA
INFORMATION PHONE NUMBER: (248) 588-2270
- 1.5 **Emergency phone number:** (703) 527-3887(Call Collect)

2.0 HAZARDS IDENTIFICATION

- 2.1 **Classification of the substance or mixture:**
Skin Corrosion/Irritation 2, Eye Damage/Irritation 2B, Specific Target Organ Toxicity, Single Exposure 3
- 2.2 **GHS label elements:**



Signal Word: Warning

Hazard Statement: Causes skin irritation

Prevention: Wash hands thoroughly after handling. Wear protective gloves.

Response: If on skin: wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention. Take off contaminated clothing and wash before reuse.

Signal Word: Warning

Hazard Statement: Causes eye irritation

Prevention: Flush eyes thoroughly after eye contact.

Response: If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.

Signal Word: Warning

Hazard Statement: May cause respiratory irritation

Prevention: Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

Response: If inhaled: remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

Store: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal: Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.



- 2.3 **Other hazards which do not result in classification:** N/A
- 2.4 **Hazards Material Information System (United States):**

Health	1
Flammability	0
Physical Hazard	0

Hazard Codes: *=Chronic Hazard 0=Minimal Hazard, 1=Slight Hazard, 2=Moderate Hazard, 3=Serious Hazard, 4=Severe Hazard

3.0 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

- 3.1.1 **Chemical Identity:** Amorphous Fumed Silica
- 3.1.2 **Common Name:** Silicon Dioxide (amorphous)
- 3.1.1 **CAS Number and other unique identifiers:** 112945-52-5 (Specific), 7631-86-9 (General)
- 3.1.2 **Impurities and stabilizing additives:** N/A

4.0 FIRST-AID MEASURES

4.1 Description of necessary first-aid measures:

Inhalation: If inhaled, move the affected person to fresh air. If irritation persists get medical attention.

Skin Contact: Wash skin for personal hygienic reasons. If symptoms develop, seek medical attention.

Eye Contact: Immediately flush eyes with plenty of running water for at least 15 minutes. If irritation persists get

medical attention.

Ingestion: Do not induce vomiting. If conscious, rinse mouth with water. If symptoms develop, seek medical attention.

4.2 Most Important symptoms/effects, acute and delayed:

Potential Acute Health Effects:

Eye: High concentrations may cause mechanical irritation to eyes.

Skin: May cause drying of skin.

Ingestion: No adverse effects expected.

Inhalation: May be harmful if inhaled. May cause irritation of respiratory tract at levels above industry standards.

Chronic (Cancer Info.):

Not listed as a carcinogen by IARC, NTP, Z List or OSHA.

Target Organs: Lung.

Medical Conditions Aggravated: Individuals with pre-existing respiratory conditions such as asthma or skin conditions such as dermatitis may be at greater risk from exposure to material.

4.3 Indication of immediate medical attention and special treatment needed, if necessary: N/A

5.0 FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media:

Water fog or fine spray. Carbon dioxide. Alcohol resistant foam. Dry chemical fire extinguishers.

5.2 Specific hazards arising from the chemical:

Flash point is not determined. May generate toxic or irritating combustion products. Sudden reaction and fire may occur if product is mixed with an oxidizing agent.

5.3 Special protective actions for fire-fighters:

Wear positive-pressure self-contained breathing apparatus and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves.)

6.0 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Wear goggles if release creates conditions where eye contact is probable. Ventilate area if necessary. If user operations generate dust, then an approved respirator for dust/mists is recommended.

6.2 Methods and materials for containment and clean up:

Spills may be collected, preferably by vacuum, and placed in suitable container for disposal.

7.0 HANDLING AND STORAGE

7.1 Precautions for safe handling:

Avoid contact with skin and eyes. Avoid creating dust. Do not breathe dust.

Hygienic Practices: Wash exposed skin frequently. Good practices should be followed in regard to work clothing.

7.2 Conditions for safe storage, including any incompatibilities:

Product should be stored dry and away from volatile chemicals.

8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Component	CAS No.	Percent	Exposure Limits	Source
Silicon Dioxide (amorphous)	112945-52-5 (Specific) 7631-86-9 (General)	100%	10 mg/m ³ TWA respirable dust, 10 mg/m ³ TWA total inhalable dust 10 mg/m ³ TWA respirable dust	OSHA OSHA ACGIH

8.2 Appropriate engineering controls:

Ventilation: There is a possibility of high particulate exposure levels when working with this product. At a minimum, local exhaust and/or general dilution ventilation should be provided as necessary to maintain exposures below regulatory and recommended limits. Dust collection systems must be used in transferring operations, cutting or machining or other dust generating processes because of anticipated dust levels. Vacuum or wet-clean up methods should be used.

8.3 Individual protection measures, such as personal protective equipment:

Respiratory Protection: A properly fitted NIOSH approved N 95 series disposable dust respirator such as the 3M model 8210 (model 8271 in high humidity environments) or equivalent must be worn when using this material. Because of the possibility of high particulate levels occurring with this product, it may be necessary to use a half face respirator with P100 or HEPA filters during operations such as maintenance, clean up, or transferring. This decision should be made on a case-by-case basis depending on total exposures. Use respiratory protection in accordance with your company's respiratory protection program, local regulations and OSHA regulations under 29 CFR 1910.134.

Skin Protection: Normal work clothing (long sleeved shirts and long pants) is recommended. Use gloves. Skin

irritation is known to occur chiefly at the pressure points such as around the neck, wrists, waist and between the fingers.

Eyes/Face Protective Equipment: Wear safety glasses, goggles or face shield.

9.0 PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 **Appearance (physical state, color, etc.):** White Powder
 - 9.2 **Odor:** None
 - 9.3 **Odor threshold:** N/A
 - 9.4 **pH:** Not Determined
 - 9.5 **Melting point/freezing point:** Not Determined
 - 9.6 **Initial boiling point and boiling range:** Not Determined
 - 9.7 **Flash Point:** Not Determined
 - 9.8 **Evaporation rate:** N/A
 - 9.9 **Flammability (solid, gas):** N/A
 - 9.10 **Upper/lower flammability or explosive limits:** LFL-Not Determined; UFL-Not Determined
 - 9.11 **Vapor pressure:** Not Determined
 - 9.12 **Vapor Density:** N/A
 - 9.13 **Relative density (specific gravity):** 2.2
 - 9.14 **Solubility(ies):** Not Determined
 - 9.15 **Partition coefficient; n-octanol/water:** N/A
 - 9.16 **Auto-ignition temperature:** Not Determined
 - 9.17 **Decomposition temperature:** N/A
 - 9.18 **Viscosity:** N/A
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10.0 STABILITY AND REACTIVITY

- 10.1 **Reactivity:** N/A
 - 10.2 **Chemical stability:** Stable
 - 10.3 **Possibility of hazardous reactions:** Will not occur
 - 10.4 **Conditions to avoid:** Not applicable
 - 10.5 **Incompatible materials:** None
 - 10.6 **Hazardous decomposition products:** Carbon Monoxide in a fire. Carbon Dioxide in a fire. Irritating and toxic fumes at elevated temperatures.
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11.0 TOXICOLOGICAL INFORMATION

- 11.1 **Likely routes of exposure:** Eye Contact, Skin Contact, Inhalation
 - 11.2 **Symptoms related to the physical, chemical and toxicological characteristics:**
Acute Effects:
General Product Information: Dusts may cause mechanical irritation to eyes and skin. Ingestion may cause transient irritation of throat, stomach and gastrointestinal tract. Inhalation may cause coughing, nose and throat irritation, and sneezing. People with pre-existing respiratory conditions, may experience difficulty breathing, congestion and chest tightness.
 - 11.3 **Delayed and immediate effects and also chronic effects from short and long term exposure:**
N/A
 - 11.4 **Numerical measures of toxicity:**
N/A
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12.0 ECOLOGICAL INFORMATION

- 12.1 **Ecotoxicity:**
No data available for this product. This product is not anticipated to harm animals, plants or fish.
- 12.2 **Persistence and degradability:**
N/A
- 12.3 **Bioaccumulative potential:** N/A
- 12.4 **Mobility in soil:** N/A
- 12.5 **Other adverse effects:** N/A

13.0 DISPOSAL CONSIDERATIONS**13.1 Disposal methods:**

General Product Information: Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA.

Component Waste Numbers: No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions: Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

14.0 TRANSPORT INFORMATION**Land/Air/Sea/Rail**

14.1UN number: Not Regulated

14.2UN proper shipping name: Cabosil, Density over 19#/cu ft

14.3Transport hazard class(es): Not Regulated

14.4Packing group, if applicable: Not Regulated

14.5Environmental hazards: N/A

14.6Transport in bulk: N/A

14.7Special precautions for user: N/A

15.0 REGULATORY INFORMATION**Safety, health and environmental regulations:****TOXIC SUBSTANCES CONTROL ACT (TSCA)-**

All components are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

TOXIC SUBSTANCE CONTROL ACT (TSCA) 12(b) COMPONENT(S)

None

OSHA Hazard Communication Standard (29CFR1910.1200) hazard class(es)

Irritant.

EPA SARA Title III Section 312 (40CFR370) hazard class

None

EPA SARA Title III Section 313 (40CFR372) toxic chemicals above "de minimis" level are

None

CALIFORNIA PROPOSITION 65 SUBSTANCES (component(s) known to the State of California to cause cancer and/or reproductive toxicity and subject to warning and discharge requirements under the "Safe Drinking Water and Toxic Enforcement Act of 1986")

None

CANADA REGULATIONS**DSL**

Included on Inventory.

WHMIS HAZARD CLASSIFICATION

Not Controlled

WHMIS INGREDIENT DISCLOSURE LIST

None

WHMIS TRADE SECRET REGISTRY NUMBER(S)

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

None

WHMIS SYMBOLS**16.0 OTHER INFORMATION**

16.1Date of Preparation: 08/29/2011

To the best of our knowledge, the information contained herein is accurate. Final determination of the suitability of any material is the sole responsibility of the users. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.