



Material Safety Data Sheet

1. Product and Company Identification

Product Code MS
Product Name BRICKFORM® Masterseal™

Manufacturer BRICKFORM
Address 11061 Jersey Blvd.
City, State, Zip Rancho Cucamonga, CA 91730

Emergency Phone Chemtrec 800-424-9300
Business Phone 909-484-3399
Business Fax 909-484-3318

Last Updated June 1, 2005

2. Composition / Information on Ingredients

Chemical Name	CAS No.	ACGIH TLV	OSHA PEL	STEL
Methyl Methacrylate	23262-63-7	100 ppm	100 ppm	N/A
Hydrocarbon Solvents	6742-94-5	25 ppm	25 ppm	35 ppm
Oxygenated Solvents	98-56-6	25 ppm	25 ppm	35 ppm

3. Hazards Identification

Emergency Overview

White viscous liquid with strong solvent odor.

Signs and Symptoms of Exposure

Ingestion

May result in vomiting. Aspiration (breathing) of vomitus into lungs must be avoided and even small quantities in the lungs may result in chemical pneumonitis and pulmonary edema/hemorrhage. May result in abdominal pain, dizziness, headache, shortness of breath, leg cramps, fatigue, nausea, coma, and death.

Inhalation

High vapor/aerosol concentrations (greater than approximately 1000 ppm) and overexposure are irritating to the respiratory tract and may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death. Negligible hazard at ambient temperature -18°C to 30°C (0°F to 100°F).

Eyes

High vapor/aerosol concentrations (greater than approximately 1000 ppm) and overexposure are irritating to the eyes. Direct contact may cause irreversible eye damage.

Skin

Prolonged or repeated skin contact tends to remove oils, possibly leading to irritation and dermatitis. However, based on human experience and available toxicological data, this product is judged to be neither a corrosive nor an irritant by OSHA criteria. Skin contact may aggravate existing dermatitis.

Potential Environmental Hazards

N/A

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4. First Aid Measures

Ingestion

DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. GET MEDICAL ATTENTION IMMEDIATELY.

Inhalation

Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. GET MEDICAL ATTENTION IMMEDIATELY.

Eyes

DO NOT RUB. Flush eyes with plenty of water for 15 minutes while holding eyelids open. If irritation persists, GET MEDICAL ATTENTION IMMEDIATELY.

Skin

Remove contaminated clothing and shoes; do not reuse until cleaned. Wash with soap and water. If persistent irritation occurs, GET MEDICAL ATTENTION IMMEDIATELY.

5. Fire Fighting Measures

Flash Point -17.8°C (0°F)

Lower Explosive Limit N/A

Autoignition Temperature N/A

Upper Explosive Limit N/A

Unusual Fire Explosion Hazards

Vapors are heavier than air and may accumulate in low areas inadequately ventilated. Vapors may also travel along the ground to be ignited at locations distant from the handling site and flashback of flame to the handling site may occur. Never use welding or cutting torch on or near containers, even when empty. Product or residue may ignite explosively. Closed containers may explode when exposed to extreme temperatures.

Extinguishing Media

Use water fog, foam, dry chemical, or CO₂. Do not use a direct stream of water. Product will float and can be re-ignited on the surface of the water.

Special Fire Fighting Procedures

Evacuate hazard area of unprotected personnel. Wear proper protective clothing, including a NIOSH-approved, positive pressure, self-contained, breathing apparatus. Cool fire-exposed containers with water. In case of large fires, also cool surrounding equipment and structures with water. If a leak or spill has not ignited, use water spray to disperse the vapors.

6. Accidental Release Measures

Shut off and eliminate all ignition sources. Keep people away. Minimize breathing vapors. Minimize skin contact. Ventilate confined spaces. Open all windows and doors. Flush with water to a tank or an open well-ventilated area. Recover by pumping. USE EXPLOSION PROOF EQUIPMENT. Keep product out of sewers, watercourses, and soil by dyking or impounding. Apply a suitable absorbent such as sand, earth to the spill area. Do not use combustible materials such as sawdust. Control runoff and isolate discharge material for proper waste-disposal method. Advise authorities if product has entered or may enter sewers, watercourses, or extensive land areas. Use non-leaking containers, seal tightly, and label properly. Dispose of in accordance with applicable local, county, state, and federal regulations.

7. Handling and Storage

Safe Handling and Storage

Keep away from heat sparks and open flames. DO NOT WELD, heat or drill on or near containers. Even empty containers can contain explosive vapors or residue. Keep containers closed. Store away from strong oxidizing agents, in a cool, dry place with adequate explosion-proof ventilation. Ground equipment to prevent accumulation of static charge. If pouring or transferring materials, containers must be bonded and grounded.

8. Exposure Controls and Personal Protection

Engineering controls

Use only with ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in air. Use explosion-proof equipment.

Personal Protective Equipment

Use splash goggles or face shield to protect face and eyes. Avoid inhalation and use only MSHA or NIOSH approved atmosphere supplying or air purifying respirators in confined or enclosed spaces for organic vapors, if needed. Use chemical-resistant gloves and avoid prolonged or repeated skin contact.

Other Protective Clothing Equipment

An eyewash station and a safety shower should be available.

General Work Practices Hygiene Considerations

Minimize breathing vapor or mist. Avoid prolonged or repeated contact with skin. Use good hygiene when handling this product. Cleanse skin thoroughly after handling and before eating or drinking. Product is easily removed with waterless, hand cleaners followed by washing thoroughly with soap and water. Remove contaminated clothing and launder or dry-clean before reuse. Remove contaminated shoes and thoroughly clean and dry before reuse.

Exposure Guidelines

Please see section 2.

9. Physical and Chemical Properties

Physical State Liquid

Melting Point/Range N/A

Solubility in Water Insoluble

pH N/A

Molecular Weight N/A

Vapor Pressure (mmHg) N/A

VOC <400 grams/liter (3.33 lbs./gallon)

Appearance/Color/Odor Colorless/Sweet aromatic odor

Boiling Point/Range N/A

How to Detect this Compound N/A

Specific Gravity (Water = 1) 1.395

Percent Volatiles 57.8

Vapor Density N/A

10. Stability and Reactivity

Stability Stable

Hazardous Polymerization N/A

Conditions To Avoid Heat, sparks, and open flames.

Materials To Avoid Strong oxidizing agents, concentrated nitric and sulfuric acids, molten sulfur, and temperatures above ambient.

Hazardous Decomposition Products N/A

11. Toxicological Information

N/A

12. Ecological Information

N/A

13. Disposal Considerations

Use non-leaking containers, seal tightly and label properly. Dispose of in accordance with applicable local, county, state, and federal guidelines. Do not dispose in streams, wells, lakes, rivers, oceans, or sewers.

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14. Transportation Information

DOT Proper Shipping Name Paint Related Material
DOT Hazard Class ID Number 3, UN1263, II

15. Regulatory Information

Reportable Quantity Spills may need to be reported to the National Response Center (800) 424-8802. CERCLA Reportable Quantity (RQ) is 1000 pounds.

NFPA Rating 0=Insignificant, 1=Slight, 2=Moderate, 3=High, 4=Extreme

Health 1
Flammability 3
Reactivity 0

Carcinogenicity Lists Yes
NTP No
IARC Monograph No
OSHA Regulated Yes

STATE WARNING

This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

FEDERAL WARNING

Section 313 Supplier Notification: This product contains the following toxic chemical(s) subject to the reporting requirements of SARA TITLE III, Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

CAS#	CHEMICAL NAME	%BY WEIGHT
64742-94-5 98-56-6	Hydrocarbon Solvents and Oxygenated Solvents	60-80
23262-63-7	Methyl Methacrylate Resins	15-35

16. Other Information

IMPORTANT! Read this MSDS before use or disposal of this product. Pass along the information to employees and any other persons who could be exposed to the product to be sure that they are aware of the information before use or other exposure.

This MSDS has been prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200). To the best of our knowledge, the information contained herein is accurate and the information is based on sources believed to be reliable. However, since data, safety standards, and government regulations are subject to change, BRICKFORM makes no warranty, either expressed or implied with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. The data on this sheet is related only to this specific material. It may not be valid for this material if used in combination with any other materials. It is the user's responsibility to determine suitability and completeness of this information with regards to a particular use. Additional information may be necessary or helpful for specific conditions and circumstances of use. Unknown hazards may exist and this material should be used with caution. BRICKFORM assumes no legal responsibility for use or reliance upon this data.