Material Safety Data Sheet

1. Product and Company Identification

Product Code GS - 400
Product Name BRICKFORM® Gem-Seal™

Manufacturer .....BRICKFORM, A Division of Solomon Colors, Inc.
Address.....11061 Jersey Blvd.
City, State, Zip .... Rancho Cucamonga, CA 91730
Emergency Phone 800-373-7542
Business Phone 909-484-3399
Business Fax 217-744-2605

Last Updated October 1, 2010

2. Hazardous Ingredients

Chemical Name	CAS No.	ACGIH TLV	OSHA PEL	STEL
Oxygenated Solvent	67-64-1	500 ppm	1000 ppm	750 ppm
Xylene	1330-20-7	100 ppm	100 ppm	150 ppm
Ethylbenzene	100-41-4	100 ppm	100 ppm	125 ppm

3. Hazards Identification

Emergency Overview
Clear liquid with petroleum odor. Overexposure to solvents may cause permanent brain and nervous system damage. Reports also indicate that solvents can cause liver damage, kidney damage, and mucous membrane irritation. Intentional misuse by deliberately inhaling the vapors or the product contents may be harmful or fatal.
Signs and Symptoms of Exposure
Ingestion
May cause nausea and vomiting.
Inhalation
Avoid inhaling. This product can produce central nervous system depression, and cause headaches, drowsiness and lack of coordination.
Eyes
Can cause irritation such as redness, tearing, and blurred vision.
Skin
Moderate irritant. May cause dermatitis and allergic responses.
Potential Environmental Hazards
N/A

continued

4. First Aid Measures

Ingestion
DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into 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
Wash with soap and water. Remove contaminated clothing and shoes. Do not reuse until cleaned. If persistent irritation occurs, get medical attention.

5. Fire Fighting Measures

Flash Point < -15ºC (5ºF)
Autoignition Temperature N/A
Lower Explosive Limit 1.0% by volume in air
Upper Explosive Limit 7.0% by volume in air

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. Thermal decomposition or combustion may generate irritating and/or toxic gasses.

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 flame. 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) 22mm hg @25°C (77°F)
VOC <400 grams/liter (3.33 lbs/gallon)
Appearance/Color/Odor Colorless/Petroleum Odor
Boiling Point/Range >140°C (284°F)
How to Detect this Compound Odor
Specific Gravity (Water = 1) 1.02
Percent Volatiles N/A
Vapor Density (Air = 1) Heavier than air

10. Stability and Reactivity

Stability Stable
Hazardous Polymerization N/A
Conditions To Avoid Heat, sparks, and open flames.
Materials To Avoid Strong bases or acids.
Hazardous Decomposition Products From thermal decomposition, fumes, smoke or aldehydes, phenols and acids from incomplete combustion.

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.

continued

14. Transportation Information

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

15. Regulatory Information

Reportable Quantity N/A

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

Health	1
Flammability	3
Reactivity	0
Carcinogenicity Lists	No
NTP	No
IARC Monograph	No
OSHA Regulated	No

STATE WARNING
California Prop 65: This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
Many States have adopted Federal guidelines and restrictions for hazardous chemicals. A complete list is available at www.epa.gov./ceppo/pubs/title3.pdf. Some states have expanded the Federal List and you should check with your local regulatory agency for any additional restrictions on the hazardous chemicals listed in this section.

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: N/A

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.