



RAFCO PRODUCTS

## Material Safety Data Sheet

### 1. Product and Company Identification

**Product Code** LR  
**Product Name** BRICKFORM® Liquid Release

<b>Manufacturer</b>	Rafco Products	<b>Emergency Phone</b>	Chemtrec (800 ) 424-9300
<b>Address</b>	11061 Jersey Blvd.	<b>Business Phone</b>	(909) 484-3399
<b>City, State, Zip</b>	Rancho Cucamonga, CA 91730	<b>Business Fax</b>	(909) 484-3318

**Last Updated** July 21, 2004

### 2. Composition / Information on Ingredients

Chemical Name	CAS No.	ACGIH TLY	OSHA PEL	STEL
Iso-paraffinic hydrocarbons	N/A	N/A	N/A	N/A

### 3. Hazards Identification

#### Emergency Overview

Light colored liquid with hydrocarbon odor. Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product.

#### Signs and Symptoms of Exposure

##### Ingestion

May result in vomiting, aspiration (breathing) of vomitus into the lungs, which must be avoided, even as small quantities may result in aspiration pneumonitis.

##### Inhalation

Vapors may cause irritation to nose, throat, and respiratory tract. High vapor concentrations may result in central nervous system (CNS) depression.

##### Eyes

May cause reversible corneal injury.

##### Skin

Prolonged or repeated skin contact tends to remove oils, possibly leading to irritation and dermatitis.

#### Potential Environmental Hazards

N/A

### 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. NOTE TO PHYSICIANS: If more than 2.0 ml per kg has been ingested and vomiting has not occurred, emesis would be induced with supervision. Keep victim's head below hips to prevent aspiration. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage using a cuffed endotracheal tube should be considered.

#### 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.

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### 4. First Aid Measures (continued)

#### Skin

Remove contaminated clothing/shoes. Flush skin with water, followed by washing with soap and water. If irritation occurs, GET MEDICAL ATTENTION IMMEDIATELY.

### 5. Fire Fighting Measures

**Flash Point** 44.4°C (112° F)

**Lower Explosive Limit** 1% by volume in air

**Autoignition Temperature** N/A

**Upper Explosive Limit** 7% by volume in air

#### Unusual Fire Explosion Hazards

Handle as combustible material. Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup, which could result in container rupture. Container areas exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container structure. 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. Do not pressurize drum containers to empty them. Closed containers may explode when exposed to extreme temperatures. Static electricity may accumulate and create a fire hazard.

#### Extinguishing Media

Use water fog, foam, dry chemical, or CO<sub>2</sub>. 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. Keep containers closed. DO NOT WELD, heat or drill on or near containers. Even empty containers can contain explosive vapors or residue. 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 to protect 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

Best protection is provided by Nitrile material. An eyewash station and a safety shower should be available.

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### 8. Exposure Controls and Personal Protection (continued)

#### 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)** 1.9

**VOC** N/A

**Appearance/Color/Odor** Clear/Sweet odor

**Boiling Point/Range** 176.6°C - 188.8°C (350°F-372°F)

**How to Detect this Compound** Odor

**Specific Gravity (Water = 1)** .758@60°F

**Evaporation Rate (Bu.Ac.=1)** Slow

**Vapor Density (Air = 1)** Heavier than air

### 10. Stability and Reactivity

**Stability** Stable

**Hazardous Polymerization** Will not occur

**Conditions To Avoid** Heat, sparks, and open flames.

**Materials To Avoid** Strong bases or acids..

**Hazardous Decomposition Products** Formaldehydes, carbon dioxide, carbon monoxide.

### 11. Toxicological Information

Male rats exposed for 90 days by inhalation to vapors of similar solvents showed evidence of kidney damage. The relevance of this effect to man is unknown. In one of the studies, a low-grade anemia was also observed. ACUTE ORAL LD50 (Oral/Rat) >25ml/kg; LD50 (Dermal/Rabbit) >4 ml/kg; LC50 (Inhalation/Rat) 700 ppm/4H.

### 12. Ecological Information

Under EPA-CWA, this product is classified as an oil under section 311. Spills into or leading to surface waters that cause a sheen must be reported to the National Response Center (800) 424-8802.

RCRA Information: If this product becomes a waste, it would not be a hazardous waste by RCRA criteria (40CFR 261). Place in an appropriate disposal facility in compliance with local regulations.

Protection of stratospheric ozone (pursuant to section 611 of the Clean Air Act Amendments of 1990): Per 40 CFR Part 82, this product does not contain nor was it directly manufactured with any class I or class II ozone depleting substances.

### 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.

### 14. Transportation Information

**DOT Proper Shipping Name** Paint Related Material

**DOT Hazard Class ID Number** 3, UN1263, III.

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### 15. Regulatory Information

Reportable Quantity N/A

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

Health 1  
Flammability 2  
Reactivity 0

Carcinogenicity Lists No  
NTP No  
IARC Monograph No  
OSHA Regulated No

Cal Prop 65

N/A

#### 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, Rafco Products 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. Rafco Products assumes no legal responsibility for use or reliance upon this data.