



# MATERIAL SAFETY DATA SHEET

## LiteFusion Waterproofing

<b>1. Product And Company Identification</b>	
<u><b>Supplier</b></u> <b>Mar-flex Waterproofing Products</b> <b>6866 Chrisman Lane</b> <b>Middletown, OH 45042 USA</b>  Telephone Number: 513-422-7285 FAX Number: 513-422-7282 E-Mail: info@mar-flex.com Web Site: www.mar-flex.com	<u><b>Manufacturer</b></u> <b>Mar-flex Waterproofing Products</b> <b>6866 Chrisman Lane</b> <b>Middletown, OH 45042 USA</b>  Telephone Number: 513-422-7285 FAX Number: 513-422-7282 E-Mail: info@mar-flex.com Web Site: www.mar-flex.com
<u><b>Supplier Emergency Contacts &amp; Phone Number</b></u> <b>Chem-Trec: 1-800-424-9300</b>	<u><b>Manufacturer Emergency Contacts &amp; Phone Number</b></u> <b>Chem-Trec: 1-800-424-9300</b>
Issue Date: 09/24/2009  Product Name: LiteFusion Waterproofing Chemical Name: Water Based Acrylic CAS Number: Not Established MSDS Number: 143 Product Code: RWW-01-5, -01-55 <u><b>Product/Material Uses</b></u> - An acrylic waterproofing membrane for pre-cast, poured and masonry foundation walls. <u><b>Product Identification Text</b></u> - 5 Gallon Bucket & 55 Gallon Drum	

<b>2. Composition/Information On Ingredients</b>			
Ingredient Name	CAS Number		Percent Of Total Weight
ACRYLIC RESIN, COPOLYMER BLENDS	PROPRIETA		30 - 50
ADDITIVES, MODIFIERS, IMPURITIES	PROPRIEAT	<	1
CALCIUM CARBONATE	1317-65-3		10 - 20
CARBON BLACK	1333-86-4	<	5
TEXANOL ESTER	25265-77-4	<	1
TITANIUM DIOXIDE	13463-67-7		10 - 20

**EMERGENCY OVERVIEW**

**Not considered hazardous under normal conditions, may cause eye and skin irritation.**

<b>3. Hazards Identification</b>
<u><b>Primary Routes(s) Of Entry</b></u> - Eye, Skin, Inhalation & Ingestion <u><b>Eye Hazards</b></u> - Direct contact may cause eye irritation. <u><b>Skin Hazards</b></u> - Prolonged contact may cause irritation. <u><b>Ingestion Hazards</b></u> - Can cause gastrointestinal irritation. nausea, vomiting and diarrhea. <u><b>Inhalation Hazards</b></u> - Deliberate or direct ingestion of vapor or spray or mist may be harmful or fatal. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8). Vapor can cause headache, nausea and irritation of the nose, throat and lungs. <u><b>Mutagenicity (Genetic Effect)</b></u> - Not Available.

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### First Aid (Pictograms)



### 4. First Aid Measures

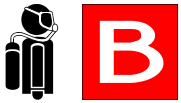
**Eye** - Flush with water for 15 minutes, Holding eyelids open. Seek medical attention.

**Skin** - Remove the membrane residue using industrial grade hand cleaner. Wash the skin with plenty of warm water and mild non-abrasive soap for at least 15 minutes. Do not use cold water. Remove contaminated clothes, wash clothing before reuse. If irritation persists repeat the washing procedure. Seek medical attention.

**Ingestion** - DO NOT INDUCE VOMITING. If conscious give large quantities of water. Keep victim warm and quiet. Seek immediate medical attention. Should vomiting occur, lean the victim over to reduce the risk of aspiration.

**Inhalation** - Remove to fresh air. If breathing is difficult give oxygen. If breathing has stopped give artificial respiration. Seek immediate medical attention.

### Fire Fighting (Pictograms)



### 5. Fire Fighting Measures

Flash Point: None °F

Flash Point Method: ASTM D93, P-M CC

Autoignition Point: NA °F

**Fire And Explosion Hazards** - Material will not burn until all water has been evaporated off. Closed containers may expand or burst (due to build-up of pressure) when exposed to extreme heat. During emergency conditions over exposure to decomposition products may cause health hazard. Symptoms may not be immediately apparent.

**Extinguishing Media** - Use CO2 (Carbon Dioxide), dry chemical, alcohol resistant foam or water spray.

**Fire Fighting Instructions** - Firefighters should wear self-contained breathing apparatus. Wear complete protective clothing (overalls, boots, goggles, etc.) and safety equipment. Evacuate area and fight fire from a safe distance. Water may be used to cool closed containers to prevent pressure build-up and possible auto-ignition or exposure when exposed to extreme heat.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of Carbon and other poisonous gases.

### 6. Accidental Release Measures

Ventilate area. Wear a self-contained breathing apparatus and protective clothing when cleaning up spills. Contain and/or absorb spill with inert material (e.g. sand, vermiculite.) Place in closed container. Keep product out of sewers and waterways by diking or impounding. Advise authorities if product has entered or may enter sewers or waterways. Assure conformity will applicable governmental regulations.

### Handling & Storage (Pictograms)



### 7. Handling And Storage

**Handling And Storage Precautions** - Storing above 55 C or 122 F may effect product quality.

**Handling Precautions** - Avoid repeated or prolonged contact with the skin. If rags are used with this product as a cleaning purpose, discard them into a water filled container after use.

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### 7. Handling And Storage - Continued

**Storage Precautions** - Store in cool, dry well ventilated area. Keep away from direct sunlight, heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors and static electricity) and incompatible materials.

**Work/Hygienic Practices** - Exercise good personal hygiene including removal of soiled clothing and prompt washing with soap.

### Protective Clothing (Pictograms)



### 8. Exposure Controls/Personal Protection

**Engineering Controls** - Ventilation: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

**Eye/Face Protection** - Safety goggles or glasses to guard against splashes. Contact lenses should not be worn when working around organic solvents that can be found in some water based products.

**Skin Protection** - To prevent repeated and prolonged skin contact, wear impervious clothing and boots.

**Respiratory Protection** - NIOSH/MSHA VAPOR AND DUST RESPIRATOR IS REQUIRED.

#### Ingredient(s) - Exposure Limits

CALCIUM CARBONATE

SANDING AND GRINDING - ACGIH TLV: AS DUST - 10 (<1% SILICIA) ; OSHA PEL: TOTAL DUST 15;  
RESPIRABLE DUST 5

CARBON BLACK

ACGIN TLV - (TWA) 3.5 mg/m<sup>3</sup>

TITANIUM DIOXIDE

OSHA PEL: (TWA) 15 mg/m<sup>3</sup> ; ACGIH TVL: (TWA) 10 mg/m<sup>3</sup>

### 9. Physical And Chemical Properties

**Appearance** - Gray

**Odor** - None

Chemical Type: Mixture

Physical State: Liquid

Melting Point: Not determined °F

Boiling Point: 212-500 °F

Specific Gravity: @ 25 C (77 F): 1.05

Percent Volatiles: 70% (typically)

Percent VOCs: 0.95 lbs/US gal/114 g/L

Vapor Pressure: Not determined

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

pH Factor: 9.5

Solubility: NA

Evaporation Rate: Slower than ether

### 10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

**Conditions To Avoid (Stability)** - None known.

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### 10. Stability And Reactivity - Continued

**Incompatible Materials** - None known.

**Hazardous Decomposition Products** - Burning, including when heated by welding or cutting, will produce carbon dioxide, carbon monoxide.

### 11. Toxicological Information

**Eye Effects** - Splash of the liquid or concentrated vapors may cause eye irritation. Severe injuries may result from repeated or prolonged contact. Injuries to the eye may be permanent if not treated immediately.

**Skin Effects** - May be irritating to the skin, causing defatting, redness, cracking and dryness. Toxic amounts of product may be absorbed through skin.

**Acute Oral Effects** - If swallowed, this product may cause vomiting, nausea and diarrhea and may be harmful if swallowed in very large amounts.

**Acute Inhalation Effects** - Excessive exposure to vapors may be irritating to the nose, throat, upper respiratory tract and lungs. Excessive exposure can result in headaches, dizziness, nausea and narcotic effect; it can be defined as inadequate ventilation for extended periods of time.

**Chronic/Carcinogenicity** - Prolonged over exposure to solvent ingredients in Section 3 may cause adverse effects to the liver and urinary system.

**Teratogenicity (Birth Defects)** - No information

**Reproductive Effects** - No information

**Mutagenicity (Genetic Effects)** - No information

### 12. Ecological Information

**Ecotoxicological Information** - Not toxic to plants or fish. Not biodegradable, not RCRA hazardous.

Micro-organisms IC 50 > 2000 mg / l, aquatic invertebraes EC 50 > 1000 mg / l, fish LC 50 > 1000 mg / l

### 13. Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations. Dispose of wastes in an approved waste disposal facility.

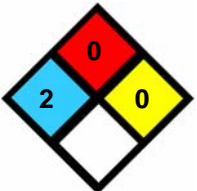
### 14. Transport Information

No Data Available...

### 15. Regulatory Information

**U.S. Regulatory Information** - All ingredients of this product are listed under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory and the DSL (Cdn).

VOC - contains < 190 gm/l

NFPA	HMIS								
	<table><tbody><tr><td>HEALTH</td><td>2</td></tr><tr><td>FLAMMABILITY</td><td>0</td></tr><tr><td>REACTIVITY</td><td>0</td></tr><tr><td>PERSONAL PROTECTION</td><td>J</td></tr></tbody></table>	HEALTH	2	FLAMMABILITY	0	REACTIVITY	0	PERSONAL PROTECTION	J
HEALTH	2								
FLAMMABILITY	0								
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### 16. Other Information

#### Revision/Preparer Information

This MSDS Supersedes A Previous MSDS Dated: 03/20/2009

# MATERIAL SAFETY DATA SHEET

## LiteFusion Waterproofing

### 16. Other Information - Continued

#### **Revision/Preparer Information - Continued**

This MSDS complies with 29 CFR 1910.1200 (Hazard Communication Standard). This MSDS should be read and understood before using this product.

#### **Disclaimer**

**The above information pertains to this product as currently formulated and is based on the information available at this time. Addition of reducers or other additives to these products may substantially alter the composition and hazards of the product.**

**Marflex Building Solutions makes no warranties, express or implied and assumes no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purposes(s).**

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