



MATERIAL SAFETY DATA SHEET

Drain & Dry with ECOSE

1. Product And Company Identification

Supplier Mar-flex Waterproofing & Building Products 500 Business Parkway Carlisle, OH 45005 USA Telephone Number: 513-422-7285 FAX Number: 513-422-7282 E-Mail: info@mar-flex.com Web Site: www.mar-flex.com	Manufacturer Mar-flex Waterproofing & Building Products 500 Business Parkway Carlisle, OH 45005 USA Telephone Number: 513-422-7285 FAX Number: 513-422-7282 E-Mail: info@mar-flex.com Web Site: www.mar-flex.com
Supplier Emergency Contacts & Phone Number Chem-Trec: 1-800-424-9300	Manufacturer Emergency Contacts & Phone Number Chem-Trec: 1-800-424-9300

Issue Date: 12/21/2011

Product Name: Drain & Dry with ECOSE
 Chemical Name: Insulating Material
 CAS Number: Not Established
 MSDS Number: 154
 Product Code: DM-48200, -48225, -48250

Product/Material Uses - Drainage & Insulation board that offers protection for the waterproofing or dampproofing membrane during backfilling operations, good drainage properties and thermal insulation.

Product Identification Text - 3/4", 1-3/16" and 2-3/8" boards.

2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
FIBROUS GLASS	65997-17-3	83 - 97
PROPRIETARY BINDER	Not Establis	1 - 17

EMERGENCY OVERVIEW

The 2002 Monograph issued by the International Agency for Research on Cancer (IARC) removed fiber glass wool from its' list of possible carcinogens (Group 2B). It is now classified as group 3, not classifiable as a human carcinogenic.

OSHA and other U.S. government agencies still require that a warning label be placed on this product. This warning identifies a possible hazard while not identifying the degree of risk. OSHA regulations do not require respiratory protection as long as the exposure to fiber glass wool does not exceed 1 fiber/cubic centimeter (f/cc) TWA (8 hour time weighted average). Fiber Glass wool exposure in the home, commercial buildings, and manufacturing facilities are generally found to be less than 1 f/cc. Installers and fabricators should be aware of their exposure levels and take appropriate actions if needed per recommended work practices. Guidance on typical fiber exposure for various applications can be obtained from the North American Insulation Manufacturers Association, www.NAIMA.org. Marflex strongly recommends following all safe work practices while working with and/or installing fiber glass wool products.

3. Hazards Identification

Primary Routes(s) Of Entry - Respirable fibers to the lungs and respiratory system, airborne fibers to the skin and eyes.

Eye Hazards - A mechanical irritant which may cause mild to moderate eye irritation.

Skin Hazards - Confirmed reports of contact dermatitis.



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3. Hazards Identification - Continued

Ingestion Hazards - Non-hazardous when ingested. Potentially a mild irritant to the GI tract if excessive quantity is ingested.

Subchronic (Target Organ Effects) - Lungs, respiratory system, skin and eyes.

Chronic/Carcinogenicity Effects - Results from the most recent cohort and nested case-control epidemiological studies of U.S. workers exposed to glass wool have not provided evidence of an association between exposure to fibers and risk for respiratory cancer or mesothelioma.

While no longer listed as a possible carcinogen by IARC, respirable glass wool fibers are classified by NTP as Group IIB, (reasonably anticipated to be a human carcinogen).

Epidemiology -

Conditions Aggravated By Exposure - Pre-existing chronic upper respiratory and lung diseases such as, but not limited to, bronchitis, emphysema and asthma. Skin disease such as dermatitis.

First Aid (Pictograms)



4. First Aid Measures

Eye - Flush with large amounts of water until irritants subside, at least 15 minutes. See a physician if irritation persists.

Skin - Normal good personal hygiene practices. Wash with mild soap and warm water after each exposure.

Ingestion - Emergency procedures not normally required. May be a temporary irritant to the GI system.

Inhalation - Remove to fresh air. Drink water to clear throat and blow nose to evacuate dust. If coughing and irritation develop, call a physician.

Fire Fighting (Pictograms)



5. Fire Fighting Measures

Flash Point: N.A. °F

Autoignition Point: N.A. °F

Fire And Explosion Hazards - Resin, paper or plastic facings will burn causing dense acid smoke.

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

Fire Fighting Instructions - Wear self contained breathing apparatus and protective clothing. Dense smoke may limit visibility in enclosed areas.

6. Accidental Release Measures

Clean-up Procedures: Pick up or shovel material into waste container taking to minimize dust and fiber generation. Vacuum clean-up is preferred. If sweeping is required use a dust suppressant.

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Handling & Storage (Pictograms)



7. Handling And Storage

Handling Precautions - Assure proper respiratory protection if dust potential exceeds PEL/TLV.

Work/Hygienic Practices - Wash thoroughly after handling. Wash work clothes separately from other clothing to prevent glass fiber migration. Rinse washer thoroughly.

Store in dry area. Keep area clean. Vacuum clean dust. Use dust suppressant if sweeping is necessary.

Protective Clothing (Pictograms)



8. Exposure Controls/Personal Protection

Engineering Controls - Maintain sufficient mechanical or natural ventilation to assure fiber concentrations remain below PEL/TLV. Use local exhaust if necessary. Power equipment should be equipped with properly designed dust collection devices.

Eye/Face Protection - Wear safety glasses with side shields, goggles or face shield when handling, installing or fabricating to protect eyes against dust and fibers.

Skin Protection - (Clothing): Long-sleeved, loose fitting clothes and head covering are recommended. Wash work clothes separately from other clothing, towels and linens to prevent fiber migration. Rinse washer thoroughly.

Respiratory Protection - When over PEL/TLV wear an approved respirator such as 3M 8210, N95 or equivalent, to protect against respirable glass wool fibers. Concentrations of fibers that exceed the recommendations of the mask manufacturer will need a higher level of respiratory protection, such as a half mask respirator with appropriate dust filters.

Other/General Protection - Heat-Up Precautions: During initial heat-up of high temperature insulation products to temperatures above 350 degrees F, an odor and smoke may be given off. Adequate ventilation should be provided to protect against fumes. In confined spaces, occupants should wear self-contained breathing apparatus during this period.

Ingredient(s) - Exposure Limits

FIBROUS GLASS

TLV = 1 f/cc ; PEL 1 f/cc ; Limits are for respirable fibers length <5um, diameter >3um, aspect ratio <5:1

9. Physical And Chemical Properties

Appearance - Brown or Tan fibrous product.

Odor - No appreciable odor.

Chemical Type: Mixture

Physical State: Solid

Melting Point: >1300 °F

Specific Gravity: Variable

Solubility: Insoluble

10. Stability And Reactivity

Stability: Material is a stable, non-reactive product.

Hazardous Polymerization: Will not occur.



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10. Stability And Reactivity - Continued

Conditions To Avoid (Stability) - Hydrofluoric acid will react with and dissolve glass.

Hazardous Decomposition Products - Thermal decomposition of the resin may include carbon dioxide, carbon monoxide, formaldehyde, carbon particulate and traces of hydrogen cyanide.

11. Toxicological Information

Epidemiology -

Teratogenicity (Birth Defects) - None known.

Reproductive Effects - None known.

Mutagenicity (Genetic Effects) - None known.

See the Emergency overview on page 1, Section II.

12. Ecological Information

No data exists for this product.

13. Disposal Considerations

May be disposed of in landfill. Comply with federal, state and local regulations. If unsure, contact the local office of the USEPA, your local public health department or the local landfill regulators.

RCRA Information - This material is not regulated under "RCRA" hazardous waste regulations.

14. Transport Information

Proper Shipping Name - Insulating Material NOI (I-103300 Sub-3)

DOT Shipping Label

Insulating Material NOI (I-103300 Sub-3)

Freight Class

200

15. Regulatory Information

U.S. Regulatory Information - All ingredients of this product are listed or are included in the TSCA and CEPA Chemical Substance Inventory.

SARA Section 313 Notification - This product does not contain any ingredients regulated under Section 313.

State Regulations - California Proposition 65 - The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance (s) known to the state of California to cause cancer: Glasswool, airborne particles of respirable size.

Canadian Regulatory Information - This product is a class D2A controlled product under WHMIS regulations.

OSHA status: This product is regulated as a nuisance dust under OSHA criteria.

SARA Title III:

Section 302 Extremely Hazardous: This product contains no extremely hazardous substances as defined and listed in section #302.

Section 311/312 Hazardous Categories: Reportable as a hazardous substance. Check with your Local Emergency Planning Committee for reportable quantities.



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NFPA	HMIS								
	<table border="1"><tr><td>HEALTH</td><td style="text-align: center;">1</td></tr><tr><td>FLAMMABILITY</td><td style="text-align: center;">0</td></tr><tr><td>REACTIVITY</td><td style="text-align: center;">0</td></tr><tr><td>PERSONAL PROTECTION</td><td style="text-align: center;">B</td></tr></table>	HEALTH	1	FLAMMABILITY	0	REACTIVITY	0	PERSONAL PROTECTION	B
HEALTH	1								
FLAMMABILITY	0								
REACTIVITY	0								
PERSONAL PROTECTION	B								

16. Other Information

Revision/Preparer Information

This MSDS Supercedes A Previous MSDS Dated: 02/12/2008

Disclaimer

The above information pertains to this product as currently formulated and is based on the information available at this time. No warranty or representation of law or fact, with respect to such information, is intended or given.

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Mar-flex Building Solutions

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