



SAFETY DATA SHEET

SDS No. M0427

Effective Date: 01/16/2018

1. IDENTIFICATION

(a) Product identifier used on the label **FOAMFRAX® B BINDER**

(b) Other means of identification
Organic Binder
Ethenol, Homopolymer; PVA; PVOH
(CH₂CHOH)_n

(c) Recommended use of the chemical and restrictions on use
FOAMFRAX B Binder is an organic binder used in the Foamfrax insulation system.

(d) Name, address, and telephone number
Unifrax I LLC
600 Riverwalk Parkway, Suite 120
Tonawanda, NY 14150

Product Stewardship Information Hotline
1-800-322-2293 (Monday - Friday 8:00 a.m. - 4:30 p.m. EST)

For additional SDSs, visit our web page, <http://www.unifrax.com>, or call Unifrax Customer Service at (716) 768-6500

(e) Emergency Phone Number:
CHEMTREC will provide assistance for chemical emergencies. Call **1-800-424-9300**

3. HAZARDS IDENTIFICATION

(a) Classification of the chemical in accordance with paragraph (d) of §1910.1200

This product is **not classified** following self-classification guidelines of the OSHA Hazard Communication Standard (HCS) 2012 and WHMIS 2015. The assessment of all available toxicological data on AES during the classification process resulted in a "no classification" conclusion.

(b) Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with paragraph (f) of §1910.1200

Not applicable.

(c) Describe any hazards not otherwise classified that have been identified during the classification process

Mild irritation to skin, eyes may result from exposure to spray mist.

(d) Mixture rule not applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>(a) Chemical and (b) Common Name</u>	<u>(c) CAS Number</u>	<u>% BY WEIGHT</u>
Polyvinyl alcohol	9002-89-5	30
Water		70

(See Section 8 "Exposure Controls / Personal Protection" for exposure guidelines)

4. FIRST AID MEASURES

FIRST AID PROCEDURES

EYE IRRITATION:

If eyes become irritated, flush immediately with large amounts of lukewarm water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Do not rub eyes. Get medical attention if irritation persists.

SKIN IRRITATION:

If skin becomes irritated, rinse with large amounts of lukewarm water for at least 15 minutes. Get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

NFPA Codes: **Flammability:** 0 **Health:** 1 **Reactivity:** 0 **Special:** 0

NFPA Unusual Hazards: None
Flammable Properties: None
Flash Point: None
Hazardous Decomposition Products: Carbon oxides (CO, CO2)
Unusual Fire and Explosion Hazard: None
Extinguishing Media: Use extinguishing media suitable for type of surrounding fire.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES

Small liquid spills: Contain with absorbent material, such as clay, soil or any commercially available absorbent. Shovel reclaimed liquid and absorbent into recovery or salvage drums for disposal.

Large liquid spills: Dike to prevent further movement and reclaim into recovery or salvage drums or tank truck for disposal.

7. HANDLING AND STORAGE

STORAGE

Keep container closed when not in use.

HANDLING

Avoid contact with skin, eyes, and clothing.

EMPTY CONTAINERS

Product packaging may contain residue. Do not reuse.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES

COMPONENTS	OSHA PEL	ACGIH TLV	MANUFACTURER REG
Polyvinyl alcohol	None established	None established	None established

PERSONAL PROTECTION EQUIPMENT

Respiratory Protection:

Respiratory protection is not normally needed since the volatility and toxicity are low. If significant mists or aerosols are generated, respiratory protection, pursuant to the requirements of OSHA Standards 29 CFR 1910.134 and 29 CFR 1926.103, is recommended.

Ventilation:

General ventilation is recommended.

Protective Equipment:

Use impermeable gloves and chemical splash goggles when attaching feeding equipment, doing maintenance or handling product.

The availability of an eye wash fountain and safety shower is recommended.

If clothing is soiled, remove clothing and thoroughly wash the affected area. Launder soiled clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
FLAMMABILITY	None
ODOR:	Slight
BOILING POINT:	100° C
pH (NEAT):	9.1 - 9.5
FLASH POINT:	OPEN CUP: 79°C (174.2°F).

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable under conditions of normal use.
INCOMPATIBILITY:	None
CONDITIONS TO AVOID:	None
DECOMPOSITION PRODUCTS:	These products are carbon oxides (CO, CO ₂).

11. TOXICOLOGICAL INFORMATION

Routes of Entry: Inhalation. Ingestion.

Acute oral toxicity (LD50): 14700 mg/kg [Mouse]. Acute oral toxicity (LD50): > 20000 mg/kg [Rat].
Chronic Effects on Humans: CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC.
Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Ecotoxicity in water (LC50): 10000 mg/l 96 hours [Bluegill Sunfish]. >40000 mg/l 96 hours [Fathead Minnow].

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

13. DISPOSAL CONSIDERATIONS

DISPOSAL

This product, as manufactured, is not classified as a hazardous waste according to Federal regulations (40 CFR 261). Any processing, use, alteration or chemical additions to the product, as purchased, may alter the disposal requirements. Under Federal regulations, it is the waste generator's responsibility to properly characterize a waste material, to determine if it is a "hazardous" waste. Check local, regional, state or provincial regulations to identify all applicable disposal requirements.

As a non-hazardous liquid waste, it should be solidified with stabilizing agents (such as sand, fly ash, or cement) so that no free liquid remains prior to disposal.

14. TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (DOT)

Hazard Class:	Not Regulated	United Nations (UN) Number:	Not Applicable
Labels:	Not Applicable	North America (NA) Number:	Not Applicable
Placards:	Not Applicable	Bill of Lading:	Product Name

15. REGULATORY INFORMATION

UNITED STATES REGULATIONS

EPA: **Toxic Substances Control Act (TSCA)** - All substances in this product are listed, as required, on the TSCA inventory.
Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)
-- Notification of spills of this product is not required.
Clean Air Act -- This product does not contain ingredients covered by the Act.

OSHA: Comply with **Hazard Communication Standards** 29 CFR 1910.1200 and 29 CFR 1926.59 and the **Respiratory Protection Standards** 29 CFR 1910.134 and 29 CFR 1926.103.

States: This product is not known to be regulated by any state; however, state and local OSHA and EPA regulations may apply to these products. If in doubt, contact your local regulatory agency.

INTERNATIONAL REGULATIONS

Canada: **Canadian Environmental Protection Act (CEPA)** - All substances in this product are listed, as required, on the Domestic Substance List (DSL)

16. OTHER INFORMATION

PRODUCT STEWARDSHIP PROGRAM

The Unifrax I LLC has established a program to provide customers with up-to-date information regarding the proper use and handling of this product. If you would like more information, please call the Unifrax I LLC Product Stewardship Information Hotline at 1-800-322-2293.

DEFINITIONS

ACGIH:	American Conference of Governmental Industrial Hygienists
CAA:	Clean Air Act
CAS:	Chemical Abstracts Service
CERCLA:	Comprehensive Environmental Response, Compensation and Liability Act
DSL:	Domestic Substances List
EPA:	Environmental Protection Agency
EU:	European Union
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
mg/m³:	Milligrams per cubic meter of air
mmpcf:	Million particles per cubic meter
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
OSHA:	Occupational Safety and Health Administration
29 CFR 1910.134 & 1926.103:	OSHA Respiratory Protection Standards
29 CFR 1910.1200 & 1926.59:	OSHA Hazard Communication Standards
PEL:	Permissible Exposure Limit (OSHA)
PIN:	Product Identification Number
PNOC:	Particulates Not Otherwise Classified
PNOR:	Particulates Not Otherwise Regulated
PSP:	Product Stewardship Program
RCRA:	Resource Conservation and Recovery Act
REL:	Recommended Exposure Limit (NIOSH)
RID:	Carriage of Dangerous Goods by Rail (International Regulations)
SARA:	Superfund Amendments and Reauthorization Act
SARA Title III:	Emergency Planning and Community Right to Know Act
SARA Section 302:	Extremely Hazardous Substances
SARA Section 304:	Emergency Release
SARA Section 311:	MSDS/List of Chemicals and Hazardous Inventory
SARA Section 312:	Emergency and Hazardous Inventory
SARA Section 313:	Toxic Chemicals and Release Reporting
STEL:	Short Term Exposure Limit
SVF:	Synthetic Vitreous Fiber
TDG:	Transportation of Dangerous Goods
TLV:	Threshold Limit Value (ACGIH)
TSCA:	Toxic Substances Control Act
TWA:	Time Weighted Average

WHMIS: Workplace Hazardous Materials Information System (Canada)

Revision Summary: Annual review.

SDS Prepared By: UNIFRAX RISK MANAGEMENT DEPARTMENT

DISCLAIMER

The information presented herein is presented in good faith and believed to be accurate as of the effective date of this Safety Data Sheet. Employers may use this SDS to supplement other information gathered by them in their efforts to assure the health and safety of their employees and the proper use of the product. This summary of the relevant data reflects professional judgment; employers should note that information perceived to be less relevant has not been included in this SDS. Therefore, given the summary nature of this document, Unifrax I LLC does not extend any warranty (expressed or implied), assume any responsibility, or make any representation regarding the completeness of this information or its suitability for the purposes envisioned by the user.