

Revision Date 11/15/2016

SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : FIF –Flexible Intumescent Foam

Chemical nature : Does Not Apply

Manufacturer or supplier's details

Company name of supplier : Alva-Tech Inc.

Address : 1208 Columbus Road, Suite G
Burlington Twp., N.J. 08016

For further information, please : www.alva-tech.com
also consult our Internet site

Telephone : (609) 747-1133

Emergency telephone : (609) 747-1133

Recommended use of the chemical and restrictions on use

Recommended use : Fire retardant

Restrictions on use : Food additive, Animal feedstuff

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	Polymeric Black colored foam
Color	Black
Odor	odorless
Hazard Summary	Non-hazardous

GHS Classification

Not a hazardous substance or mixture.

GHS Label element

Not a hazardous substance or mixture.

Potential Health Effects

Aggravated Medical Condition : None known.

Symptoms of Overexposure : No information available.

Carcinogenicity:

IARC

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : This product is regarded as an "article" as defined under OSHA Regulation 29 CFR 1910.1200 9 ©. Under normal working conditions and use, the physical form of this product preclude exposure to a hazardous chemical.

Chemical nature : Does not apply

Hazardous ingredients

No hazardous ingredients

SECTION 4. FIRST AID MEASURES

General advice : Show this material safety data sheet to the doctor in attendance.

If inhaled : None anticipated

In case of skin contact : None anticipated

In case of eye contact : Flush eyes with water as a precaution. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists,

Notes to physician : For specialist advice physicians should contact the Poisons Information Service.

SECTION 5. FIRE-FIGHTING MEASURES

Thermal decomposition or combustion may produce smoke, fumes, oxides of carbon, sulfur, and nitrogen.

Fire fighting

Suitable extinguishing media : Dry Chemical, Carbon Dioxide, Foam, Water Spray for large fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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Flash point	: Not Established.
Specific hazards during fire fighting	: Do not use a solid water stream as it may scatter and spread fire.
Specific extinguishing methods	: No data available
Further information	: In the event of fire and/or explosion do not breathe fumes.
Special protective equipment for fire-fighters	: Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Use personal protective equipment. Evacuate personnel to safe areas. Note: Review FIRE FIGHTING MEASURES AND HANDLING.
Environmental precautions	: Local authorities should be advised if significant spillages that cannot be contained. No special environmental precautions required.
Methods and materials for containment and cleaning up	: Sweep up and shovel. Keep in suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly while observing environmental regulations.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	: Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Avoid formation of dust and aerosols.
Conditions for safe storage	: Store under ambient conditions. No special handling required.
Materials to avoid	: No special restrictions on storage with other products.

Personal protective equipment

Respiratory protection	: No personal respiratory protective equipment normally required.
Hand protection	
Remarks	: For prolonged or repeated contact use protective gloves.
Eye protection	: Safety glasses

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Skin and body protection	: Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Protective measures	: Do not breathe dust. When using do not eat, drink or smoke.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS/CONTROL PARAMETERS: As an article, which does not release or otherwise, result in exposure to hazardous chemicals under normal use; no personal protective equipment (PPE) are required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Solid black colored foam.
Color	: Black
Odor	: odorless
pH (20 °C)	: No data available
Boiling point/boiling range	: No data available
Flash point	: not applicable
Flammability (solid, gas)	: Not expected to form explosive dust-air mixtures.
Bulk density	: Not applicable
Water solubility	: Insoluble
Explosive properties	: Regulatory information: Not explosive International transport regulations: Not explosive
Oxidizing properties	: The substance or mixture is not classified as oxidizing.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : The product is chemically stable.

Possibility of hazardous reactions:- Stable under recommended storage conditions. No dangerous reactions reaction known under conditions of normal use.

Conditions to avoid : No data available

Further information

Product:

No data available

SECTION 11. TOXICOLOGICAL INFORMATION

SYMPTOMS OF EXPOSURE BY ROUTE OF EXPOSURE:

Inhalation: Due to the form of the product, inhalation is unlikely.

Contact with Skin or Eyes: Due to the form of the product, contact with the eyes are unlikely.

Skin Absorption: Due to form of product, skin absorption is not a likely route of exposure.

Ingestion: Ingestion is not a route of exposure, due to the form of the product.

SECTION 12. ECOLOGICAL INFORMATION

Eco-toxicity

No data available

Persistence and degradability

No data available

Bio-accumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available **Product:**

Regulation

40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information

: No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of wastes in an approved waste disposal facility.

Contaminated packaging: Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Not regulated as a dangerous good

IMDG-Code Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable for product as supplied.

Domestic regulation

49 CFR

Not regulated as a dangerous good

SECTION 14. TRANSPORT INFORMATION

International regulation

UNRTDG Not regulated as a dangerous good IATA-DGR

Not regulated as a dangerous good IMDG-Code Not regulated as a dangerous good Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable for product as supplied.

Domestic regulation 49 CFR Not regulated as a dangerous good.

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : No OSHA Hazards

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : **No SARA Hazards**

SARA 302 : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the

threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

OSHA Process Safety Management Lists

This product does not contain any hazardous materials listed under OSHA's process safety management of highly hazardous chemicals.

California Prop 65 : This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

SECTION 16. OTHER INFORMATION

Further information

NFPA:

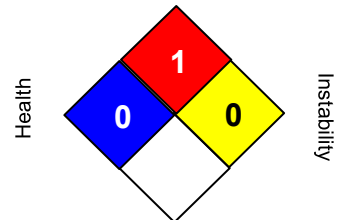
Flammability

HMIS III:

HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Special hazard.



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The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.