

Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product: Flex Flashing
 Chemical Family: Polymer with Naphthenic Adhesive
 Manufacturer Information: Fiberweb, Inc
 70 Old Hickory Blvd.
 Old Hickory, TN 37138
 Company Contact: Jim Reynolds
 Telephone Number: 1-615-847-7501 (8am-5pm M-F Central Time)
 Emergency Phone Contact: Chemtrec (24 Hours)
 Emergency Phone Number: 1-800-424-9300

Section 2 – Hazards Identification

Emergency Overview

None of the components in this material are considered hazardous.

Route of Exposure-Skin

Prolonged, repeated contact with adhesive may cause skin irritation.

Route of Exposure-Eye

Not expected to be a problem.

Route of Exposure -Ingestion

Not Applicable

Route of Exposure-Inhalation

Not expected to be a concern, given that this product is an inert solid.

HMIS Ratings

Health: 0 Fire: 1 Reactivity: 0 Personal Protection: A

Hazard Scale: 0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe *=Chronic Hazard

Section 3 - Composition

<u>CAS #</u>	<u>Component</u>	<u>Percent</u>
Polymers & Resins	N/A	<40%
Distillates(petroleum) Hydrotreated Light Naphthenic	64742-53-6 265-156-6	<10%
Distillates(petroleum) Hydrotreated Heavy Naphthenic	64742-52-5 265-155-0	<20%
Inorganic Compound	1332-58-7	<10%
Quartz	14808-60-7 238-878-4	<0.5%
Carbon Black	1333-86-4 215-609-9	<10%

Section 4 - First Aid Measures

First Aid-Skin

Wash affected area with soap and water. If irritation develops, get medical attention.

First Aid-Eye

Immediately rinse eyes with water for at least 15 minutes, holding eye open. If irritation persists, contact a physician.

First Aid-Ingestion

Seek medical attention immediately.

First Aid-Inhalation

Remove person to fresh air. Seek medical attention if symptoms persist.

First Aid-Notes to Physician

Treat symptomatically.

Section 5 - Fire Fighting Measures

Flash Point: Not Applicable

Method Used: Not Applicable

Auto Ignition: Not Applicable

Flammability Classification: Not Applicable

Lower Explosive Limit (%): Not Applicable

Upper Explosive Limit (%): Not Applicable

General Fire Hazards

Solid material may burn upon extended exposure to open flames.

Hazardous Combustion Products

Upon decomposition this product may emit carbon dioxide, carbon monoxide and/or low molecular weight hydrocarbons.

Extinguishing Media

Water spray, foam, carbon dioxide, or dry chemical

Fire Fighting Equipment/Instructions

As in any fire, wear a self-contained breathing apparatus and full protective gear.

NFPA Ratings

Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

Section 6 - Accidental Release Measures

Containment Procedures

Prevent material from entering drains of watercourses.

Clean -Up Procedures

Sweep waste fabric into a waste container and recycle, incinerate or landfill in conformity with local disposal regulations.

Evacuation Procedures

Not Applicable

Special Procedures

None

Section 7 - Handling and Storage

Handling Procedures

Avoid exposure to heat, sparks or open flames.
Use care in stacking and storing to avoid damage to product.

Storage Procedures

Store material in clean, cool and dry warehouse that is equipped with a sprinkler system.
Ensure product is not stacked too high.
Store product off the floor to prevent water damage.
Avoid direct exposure to UV light.
Avoid exposure to corrosive substances.
Limit exposure to petroleum powered engine exhaust.

Section 8 - Exposure Controls/Personal Protection

Occupational Exposure Standards

Exposure limits are listed below, if they exist.

Polymers & Resins

None established

Distillates(petroleum) Hydrotreated Light Naphthenic as Oil mist, mineral

ACGIH TLV: 5 mg/m³, STEL: 10 mg/m³

Distillates(petroleum)Hydrotreated Heavy Naphthenic as Oil mist, mineral

ACGIH TLV: 5 mg/m³, STEL: 10 mg/m³

Carbon Black

OSHA and ACGIH TLV: 3.5 mg/m³

Quartz

ACGIH TLV for Quartz (silica-crystalline) is 0.025 mg/m³ measured as respirable fraction of the aerosol.

Engineering Controls

Normal room ventilation is usually adequate.

Personal Protective Equipment

Personal Protective Equipment-Eyes/Face

None usually required

Personal Protective Equipment-Skin

None usually required. However, care should be taken to avoid contact with the adhesive

Personal Protective Equipment-Respiratory

None usually required

Personal Protective Equipment-General

Follow individual plant safety rules.

Section 9 - Physical & Chemical Properties

Appearance:	Pressure sensitive adhesive coated on polymer backing with a release paper liner		
Physical State:	Solid	pH:	Not Applicable
Vapor Pressure:	NIL	Evaporation Rate:	Not Applicable
Boiling Point:	Not Applicable	Melting Point:	Not Applicable
Solubility (H₂O):	Negligible	Specific Gravity:	Not Applicable
Vapor Density:	Not Applicable	Percent Volatiles:	NIL

Packing Density: Not Applicable

Odor:

Essentially Odorless

Section 10 - Chemical Stability & Reactivity Information

Chemical Stability

Stable under ordinary conditions of use and storage.

Conditions to Avoid

Heat – High Temperatures.

Incompatibility

None Known

Hazardous Decomposition

Carbon oxides, aromatic and aliphatic carbons, partially oxidized hydrocarbons, toxic gases and smoke, nitrogen oxides, aldehydes, oligomers, waxes, oxygenated hydrocarbons, acrolein

Hazardous Polymerization

Will not occur.

Section 11 - Toxicological Information

Acute Toxicity

Carbon Black: LD50 (rat) >8000 mg/kg

Specific Target Organ Systemic Toxicity (single and repeat)

No relevant studies identified.

Serious Eye damage/Eye Irritation

No relevant studies identified.

Skin Corrosion/Irritation

No relevant studies identified.

Respiratory or Skin Sensitization

Carbon Black: No evidence of sensitization was found in animals. No cases of sensitization in humans have been reported.

Carcinogenicity

Carbon Black is classified by IARC: Group 2B possible human carcinogen. When encapsulated in the adhesive matrix the risk of exposure is reduced.

For “inhalable” crystalline silica (quartz): IARC Overall Evaluation is 1 (carcinogenic to humans), the quartz in this formulation is in an adhesive matrix and is not expected to be “inhalable.”

Germ Cell Mutagenicity

Carbon Black: Not considered to be mutagenic based on in vivo studies.

Toxicity to Reproduction

Carbon Black: No reproductive effects have been reported in long term animal studies.

Section 12 - Ecological Information

Mobility

Carbon Black: Mobility: Not soluble in water. Not expected to migrate. Expected to remain on soil surface.

Persistence/Degradability

No relevant studies identified.

Bio-accumulation

Carbon Black: Potential bioaccumulation is not expected because of physiochemical properties of the substance.

Ecotoxicity

Carbon Black: LC50 Zebra fish >1000mg/l 96hr

EC50 Water flea >5600 mg/l 24hr

EC50 Algae >10,000 mg/l 72hr

Section 13 - Disposal Considerations

US EPA Waste Number & Descriptions

General Product Information

None identified.

Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components

Disposal Instructions

Dispose of container and unused contents in accordance with federal, state and local requirements. Processing, use or contamination of this product may change the waste management options.

Section 14 - Transportation Information

Transportation Regulations

Product is not regulated for transportation.

Section 15 - Regulatory Information

EU Label Information

Classification and labelling have been performed according to EU directives 67/548/EEC and 99/45/EC including amendments(2001/60/EC and 2006/8/EC)

EC Annex I Classification

According to EC Commission Directive 67/548/EEC this product is not classified.

R phrases

None.

S phrases

None.

US REGULATIONS and INTERNATIONAL CHEMICAL REGISTRATION LAWS

TSCA Listing

This product contains ingredients that are listed on or exempt from listing on the EPA Toxic Substance Control Act Chemical Inventory.

EINECS Listing

All ingredients in this product are listed on the European Inventory of Existing Commercial Chemical Substances (EINECS) or are exempt from listing.

DSL (Canadian) Listing

All ingredients in this product are listed on the Domestic Substance List (DSL).

California Proposition 65

This product contains the following materials which the State of California has found to cause cancer, birth defects or other reproductive harm: Toluene (108-88-3) <50ppm

SARA Title III Sect. 311/312 Categorization

Immediate (acute) Delayed (chronic)

SARA Title III Sect. 313

This product contains the following chemicals that are listed in Section 313 at or above de minimis concentrations: None

Section 16 - Other Information

Other Information

Material for this SDS was taken from SDSs for raw materials

SDS History

New SDS 2-11-13

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The information in this document is believed to be correct as of the date issued.

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This information and the product are furnished on the condition that the person receiving them shall make his or her own determination as to the suitability of the product for his particular purpose and on the condition that they assume the risk of his use thereof.

THIS PRODUCT IS CONSIDERED AN ARTICLE AND DOES NOT REQUIRE A SAFETY DATA SHEET (SDS).

REVIEWED BY: Dustin Darnall