



FIELD-APPLIED COMPOSITE SYSTEMS LLC
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SAFETY DATA SHEET

Stricture Banding

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Stricture Banding
MFR'S NAME: Field-Applied Composite Systems LLC, 925 North Todd Avenue, Azusa CA 91702
EMERGENCY PHONE: 800.424.9300 (CHEMTREC) **GENERAL INFORMATION:** 626.633.0294
USE OF THE SUBSTANCE: Film to be used with AquaWrap™ and/or PowerSleeve™ products to consolidate composite repairs of pipelines or other structures.

SECTION 2: HAZARDS IDENTIFICATION

OSHA/HCS status: This material is non-hazardous under HCS 29 CFR 1910 1200.

GHS Label Elements:

Hazard Pictograms:

Signal Word: None.

Hazard Statements and GHS Classifications:

Low hazard for contact in usual industrial or commercial handling. Ingestion is unlikely, but may physically irritate digestive system.

Precautionary Statements:

Prevention: P264 Wash hands thoroughly after handling.

Responses: P391: Collect spillage.

Storage: No specific requirements.

Disposal: P501: Dispose of contents and containers in accordance with all local, regional and international regulations.

Other Hazards: None known. No Physical or Chemical Hazards classified under GHS.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Solid (film).

Ingredient	% by WT	CAS #	67/548/EEC	Regulation (EC) 1272/2008 (CLP)
Medium density polyethylene	100%	100-51-6 1761-71-3 N/A	No Data Available.	No Data Available.

Occupational Exposure Limits, if available, are listed in Section 8.

SECTION 4: FIRST AID MEASURES

Description of necessary first aid measures:

General	Get medical attention immediately for any person who is having trouble or not breathing, or any unconscious person. Provide oxygen or artificial respiration to a person if they have trouble breathing. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Place an unconscious person in a recovery position, maintain an open airway and loosen tight clothing.
Inhalation	Remove victim to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed.
Skin Contact	Any mechanical itching should be addressed by washing with soap and water. Get medical attention if symptoms persist.
Eye Contact	Not likely to be an eye hazard in current form.
Ingestion	Not likely to be ingested in current form. Get medical attention if uncomfortable.

Most Important Symptoms/Effects, Acute and Long –Term:

Potential Acute Health Effects:

Inhalation	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed after exposure. Harmful if inhaled in high airborne concentrations.
Skin Contact	Material is considered inert.
Eye Contact	Material is considered inert.
Ingestion	May cause discomfort if swallowed.

Overexposure Signs/Symptoms:

Inhalation	No specific data.
Skin Contact	N/A
Eye Contact	N/A
Ingestion	No specific data.

Indication of Immediate Medical Attention and/or Special Treatment needed:

Notes to Physician Treat symptomatically.

Specific Treatments No specific treatment(s).

See also Toxicological Information in Section 11.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media Dry chemicals, water spray, foam or carbon dioxide. **Unsuitable Media** Water jet.

Specific Hazards Material is not considered a fire hazard but will burn if ignited.

National Fire Protection Association (USA):

Labeling: No data available.

Hazardous Thermal Decomposition Products

Irritating or toxic substances may be emitted upon burning or decomposition. See **Section 10** for additional information.

Special Protective Actions for Fire Fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special Protective Equipment for Fire Fighters

Fire Fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in a positive pressure mode. See **Section 9** for additional information.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Keep unauthorized persons away. Provide adequate ventilation. Put on appropriate personal protective equipment (see **Section 8**).

Environmental Precautions

Avoid dispersal of material.

Methods and Materials for Containment and Cleaning Up (Small or Large Spill)

Sweep up spilled material and put into a container for disposal or recycling.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling/Personal Hygiene

Use good laboratory/workplace procedures. Use appropriate personal protective equipment as per **Section 8**. Keep in the original container or an approved alternative.

Keep away from heat, sparks and open flame.

Conditions for Safe Storage, including any Incompatibilities

Keep away from strong oxidizers, heat, sparks and open flames. Protect containers from direct sunlight.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Occupational Exposure Limits

Ingredient	CAS#	Exposure Limits (ACGIH-TWA or ACGIH-STEL)
Polyethylene film	N/A	No exposure limit assigned.

Appropriate Engineering Controls

Good general ventilation should be sufficient to control worker exposure to any airborne contaminants. If working in enclosed spaces, provide additional local ventilation.

Exposure controls

Respiratory Protection

None, material is considered inert.

Hand Protection

None, material is considered inert. Wash hands after use.

Body Protection

None, material is considered inert.

Eye/Face Protection

Safety eyewear and face shields appropriate for the work being performed should be used.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid (film)	Color:	Blue
Odor:	Mild	Odor Threshold:	N/A
pH	N/A	Melting Point:	>96°C (200°F)
Boiling Point:	N/A	Flash Point:	>300°C (~600°F)
Evaporation Rate:	N/A	Vapor Pressure/Density:	N/A

Relative Density	N/A	Viscosity:	N/A
Auto-Ignition Temp.	N/A	Decomposition Temp.	N/A
Solubility:	Not soluble	VOC Content	None

SECTION 10: STABILITY AND REACTIVITY

Reactivity: None, material is considered inert.

Chemical Stability: This product is stable under normal conditions.

Possibility of Hazardous Reactions: See "Reactivity" above for cautions.

Conditions to Avoid: Excessive heat and ignition sources.

Incompatible Materials: Strong oxidizing agents or heat/open flame.

Hazardous Decomposition Products: Thermal decomposition may produce smoke, oxides of carbon and other products of incomplete combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

Product/Ingredient	LC₅₀ Inhalation	LD₅₀ Oral (Rat)	LD₅₀ Dermal (Rabbit)
Polyethylene	N/A	N/A	N/A

Skin Corrosion/Irritation: No specific data.

Serious Eye Damage/Irritation: No specific data.

Respiratory or Skin Sensitization: No specific data.

Mutagenicity: No specific data. **Carcinogenicity:** No specific data.

Reproductive Toxicity: No specific data. **Teratogenicity:** No specific data.

Aspiration Hazard: No specific data.

Specific Target Organ Toxicity (Single and Repeated Exposure): No specific data.

Information on the Likely Routes of Exposure: No specific data.

Potential Acute Health Effects and Related Symptoms:

See **Section 4**.

Delayed, immediate and chronic effects from short and long term exposure:

N/A.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity, Persistence and Degradability:

Product/Ingredient	LC₅₀ 96 Hours (Fish)	EC₅₀ 24 Hours (Daphnia)	IC₅₀ 96 Hours (Bacteria)	Biodegradability
Polyethylene	N/A	N/A	N/A	Not Readily Biodegradable, based on similar compounds.

Material may be harmful to wildlife if ingested. Keep out of waterways.

Bioaccumulative Potential:

Ingredient	LogP _{ow}	BCF	Potential
Polyethylene	N/A	N/A	N/A

Mobility in Soil (soil/water partition coefficient-K_{oc}):

No specific data is available.

Other Adverse Effects: Other information is not available. No information is available regarding classification of materials as PBT or vPvB.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of or recycle unused material in accordance with national and local regulations.

SECTION 14: TRANSPORTATION INFORMATION

UN No's: No numbers have been assigned. Material is not regulated for shipment for DOT, IATA, TDG, IMDG or ICAO.

DOT/TDG Proper Shipping Name:

None assigned.

Hazard Classes: Not regulated.

Hazard Labels: None assigned.

Pack Groups: Not assigned.

Environmental Hazards: Marine Pollutant: No. **Hazardous Substance (USA):** No.

Transporting in Bulk according to Annex II of MARPOL 73/78 and the IBC Code: No specific data.

Surface Shipment within the US: Not regulated.

Label for Conveyance: None assigned.

SECTION 15: REGULATORY INFORMATION**INTERNATIONAL REGULATIONS:****International and US Inventory Lists**

Canada Inventory (DSL)	All components are listed or exempt.	EU-ELINCS	Not listed*
Canada Inventory (NDSL)		EU-EINECS	Not listed*
US Toxic Substances Control Act (TSCA)	All components are listed or exempt.	REACH, Annex XIV and Annex XVII	Not listed*
Other	Not determined, no additional information is available.		

***Note:** There is no listing on the public inventory, no information is available or the component has not been reviewed.

HMIS/NFPA Ratings: Health: 0 Flammability: 1 Reactivity: 0

Substances of Very High Concern: No information is available. No ingredients are included in CA Prop 65 listing of chemicals suspected of causing cancer or other health issues.

No components appear on the CA Prop 65 listing of chemicals suspected to cause cancer or other hazards.

SECTION 16: OTHER INFORMATION

ABBREVIATIONS:

ACGIH: American Conference of Governmental Industrial Hygienists
ADR/RID: European dangerous goods transport, road and rail, regulations
CAS: Chemical Abstract Service Registry
DOT: Department of Transportation (U.S.)
GHS: Globally Harmonized System of Classification and Labeling of Chemicals
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
IMDG: International Maritime Dangerous Goods code
OEL: Occupational Exposure Limits
OSHA: Occupational Safety and Health Administration (U.S.)
PEL: Permissible Exposure Limit
RQ: Reportable Quantity
SDS: Safety Data Sheet
STEL: Short Term Exposure Limit (15 minute Time Weighted Average)
TDG: Canadian Transportation of Dangerous Goods Act and Regulations
UN: United Nations
U.S.: United States
N/A: Not applicable or not available.

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Notice:

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