FiberTack MT-1 Aerosol

Safety Data Sheet

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : FiberTack MT-1, Fibertack MT-1 BLU

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Spray Adhesive
FOR UNDUSTRIAL USE ONLY. NOT INTENDED FOR CONSUMER USE

1.3. Details of the supplier of the safety data sheet

Engineered Bonding Solutions, LLC
801 Marina Road
Titusville, FL 32796
T 321-747-0160

1.4. Emergency telephone number

Emergency number : Chemtrec 1 800 424 9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Flam. Liq. 2 H225
Eye Irrit. 2A H319
STOT SE 3 H336

WHMIS Classification

Class B Division 2 - Flammable Liquid
Class D Division 2 Subdivision B - Toxic material causing other toxic effects

2.2. Label elements

GHS-US labelling :

Hazard pictograms (GHS-US)

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H222 – Extremely flammable aerosol
H229 – Pressurized Container: May burst if heated
H225 – Highly flammable liquid and vapor
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness

Precautionary statements (GHS-US) : P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P211 – Do not spray on an open flame or other ignition source
P251 – Do not pierce or burn, even after use
P241 - Use explosion-proof electrical/ventilating/lighting equipment
P242 - Use only non-sparking tools
P243 - Take precautionary measures against static discharge
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P264 - Wash thoroughly after handling
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 - IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P312 - Call a POISON CENTER/doctor/physician if you feel unwell
P337+P313 - If eye irritation persists: Get medical advice/attention
P370+P378 - In case of fire: Use Foam, Alcohol Foam, CO2, Dry Chemical, Water Fog for extinction
P410+P412 – Protect from sunlight. Do not expose to temperatures above 122 °F (50 °C)
P403+P405 - Store in a well-ventilated place. Store locked up
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Acetone	(CAS No) 67-64-1	40 - 50	Flam. Liq. 2, H225
Proprietary Polymer 1	(CAS No) Trade Secret	20 - 35	Not classified
Cyclohexanone	(CAS No) 108-94-1	10 - 20	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311
Proprietary Polymer 2	(CAS No) Trade Secret	10 - 15	Not classified

Acetone (67-64-1)	
WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects

Cyclohexanone (108-94-1)	
WHMIS Classification	Class B Division 3 - Combustible Liquid Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects

SECTION 4: First aid measures

4.1. Description of first aid measures

GENERAL INFORMATION : Have SDS or product label available if medical advice is needed. Seek medical advice or doctor if you feel unwell or if any irritation persists.

First-aid measures after inhalation : Move person to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped give artificial respiration and get medical attention.

First-aid measures after skin contact : Wash thoroughly with soap and water. Remove contaminated clothing and launder before reuse.

First-aid measures after eye contact : Remove contact lenses if present and easy to do so. Flush with large quantities of water for at least 15 minutes.

First-aid measures after ingestion : Do not induce vomiting, can cause chemical pneumonitis and pulmonary edema. Contact a Physician immediately. If any symptoms persist get medical attention. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.

Symptoms/injuries after skin contact : Can dry and defat skin causing cracks, irritation and dermatitis.

Symptoms/injuries after eye contact : Severe irritation, redness, tearing and blurred vision.

Symptoms/injuries after ingestion : Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Dry chemical, sand, or carbon dioxide after spraying has stopped.

Unsuitable extinguishing media : None known

If extinguishing methods are not available cool container with water if exposed to heat or flame.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Highly flammable aerosol. Highly flammable liquid and vapor. Product concentrate is considered flammable and will act as a fuel to fire.

Explosion hazard : Contents under pressure. May explode if exposed to heat above 122 °F (50 °C).

5.3. Advice for firefighters

Firefighting instructions : During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Contents may be heavier than air if released. Containers may explode and rapidly release pressure resulting in the potential for additional hazards.

Protection during firefighting : Firefighters should wear full protective gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Remove or eliminate all sources of ignition. Wear protective equipment. Remove and keep all unprotected persons away from area. Absorb into a clay-like material. Stop the flow of materials. Do not allow into sewage or waterways. Dispose of chemical in accordance to all local, state, and federal regulations.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Avoid release to the environment.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Use in well ventilated areas. Keep containers closed when not in use.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep away from excessive heat and open flames.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Acetone (67-64-1)		
ACGIH	ACGIH TWA (ppm)	500 ppm
ACGIH	ACGIH STEL (ppm)	750 ppm
OSHA	OSHA PEL (TWA) (mg/m³)	2400 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
IDLH	US IDLH (ppm)	2500 ppm (10% LEL)
NIOSH	NIOSH REL (TWA) (mg/m³)	590 mg/m³
NIOSH	NIOSH REL (TWA) (ppm)	250 ppm
Alberta	OEL STEL (mg/m³)	1800 mg/m³
Alberta	OEL STEL (ppm)	750 ppm
Alberta	OEL TWA (mg/m³)	1200 mg/m³
Alberta	OEL TWA (ppm)	500 ppm
British Columbia	OEL STEL (ppm)	500 ppm
British Columbia	OEL TWA (ppm)	250 ppm
Manitoba	OEL STEL (ppm)	750 ppm
Manitoba	OEL TWA (ppm)	500 ppm
New Brunswick	OEL STEL (mg/m³)	1782 mg/m³
New Brunswick	OEL STEL (ppm)	750 ppm
New Brunswick	OEL TWA (mg/m³)	1188 mg/m³
New Brunswick	OEL TWA (ppm)	500 ppm
New Foundland & Labrador	OEL STEL (ppm)	750 ppm
New Foundland & Labrador	OEL TWA (ppm)	500 ppm
Nova Scotia	OEL STEL (ppm)	750 ppm
Nova Scotia	OEL TWA (ppm)	500 ppm
Nunavut	OEL STEL (mg/m³)	2970 mg/m³
Nunavut	OEL STEL (ppm)	1250 ppm
Nunavut	OEL TWA (mg/m³)	2370 mg/m³
Nunavut	OEL TWA (ppm)	1000 ppm
Northwest Territories	OEL STEL (mg/m³)	2970 mg/m³
Northwest Territories	OEL STEL (ppm)	1250 ppm
Northwest Territories	OEL TWA (mg/m³)	2370 mg/m³
Acetone (67-64-1)		
Northwest Territories	OEL TWA (ppm)	1000 ppm
Ontario	OEL STEL (ppm)	750 ppm
Ontario	OEL TWA (ppm)	500 ppm
Prince Edward Island	OEL STEL (ppm)	750 ppm
Prince Edward Island	OEL TWA (ppm)	500 ppm
Québec	VECD (mg/m³)	2380 mg/m³
Québec	VECD (ppm)	1000 ppm
Québec	VEMP (mg/m³)	1190 mg/m³
Québec	VEMP (ppm)	500 ppm
Saskatchewan	OEL STEL (ppm)	750 ppm
Saskatchewan	OEL TWA (ppm)	500 ppm

Yukon	OEL STEL (mg/m³)	3000 mg/m³
Yukon	OEL STEL (ppm)	1250 ppm
Yukon	OEL TWA (mg/m³)	2400 mg/m³
Yukon	OEL TWA (ppm)	1000 ppm

Cyclohexanone (108-94-1)		
ACGIH	ACGIH TWA (ppm)	20 ppm
ACGIH	ACGIH STEL (ppm)	50 ppm
OSHA	OSHA PEL (TWA) (mg/m³)	200 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	50 ppm
IDLH	US IDLH (ppm)	700 ppm
NIOSH	NIOSH REL (TWA) (mg/m³)	100 mg/m³
NIOSH	NIOSH REL (TWA) (ppm)	25 ppm
Alberta	OEL STEL (mg/m³)	200 mg/m³
Alberta	OEL STEL (ppm)	50 ppm
Alberta	OEL TWA (mg/m³)	80 mg/m³
Alberta	OEL TWA (ppm)	20 ppm
British Columbia	OEL STEL (ppm)	50 ppm
British Columbia	OEL TWA (ppm)	20 ppm
Manitoba	OEL STEL (ppm)	50 ppm
Manitoba	OEL TWA (ppm)	20 ppm
New Brunswick	OEL TWA (mg/m³)	100 mg/m³
New Brunswick	OEL TWA (ppm)	25 ppm
New Foundland & Labrador	OEL STEL (ppm)	50 ppm
New Foundland & Labrador	OEL TWA (ppm)	20 ppm
Nova Scotia	OEL STEL (ppm)	50 ppm
Nova Scotia	OEL TWA (ppm)	20 ppm
Nunavut	OEL STEL (mg/m³)	400 mg/m³
Nunavut	OEL STEL (ppm)	100 ppm
Nunavut	OEL TWA (mg/m³)	100 mg/m³
Nunavut	OEL TWA (ppm)	25 ppm
Northwest Territories	OEL STEL (mg/m³)	400 mg/m³
Northwest Territories	OEL STEL (ppm)	100 ppm
Northwest Territories	OEL TWA (mg/m³)	100 mg/m³
Northwest Territories	OEL TWA (ppm)	25 ppm
Ontario	OEL STEL (ppm)	50 ppm
Ontario	OEL TWA (ppm)	20 ppm
Prince Edward Island	OEL STEL (ppm)	50 ppm
Prince Edward Island	OEL TWA (ppm)	20 ppm
Québec	VEMP (mg/m³)	100 mg/m³
Québec	VEMP (ppm)	25 ppm
Saskatchewan	OEL STEL (ppm)	50 ppm
Saskatchewan	OEL TWA (ppm)	20 ppm
Yukon	OEL STEL (mg/m³)	200 mg/m³
Yukon	OEL STEL (ppm)	50 ppm
Yukon	OEL TWA (mg/m³)	200 mg/m³

Yukon	OEL TWA (ppm)	50 ppm

8.2. Exposure controls

Appropriate engineering controls	: Local exhaust and general ventilation must be adequate to meet exposure standards.
Hand protection	: Wear resistant gloves such as nitrile rubber.
Eye protection	: Use chemical safety glasses, goggles or face shields for eye protection.
Skin and body protection	: Wear suitable working clothes.
Respiratory protection	: If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Colorless to pale yellow or blue liquid spray
Odor	: Solvent
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: < -2°F (-19°C) TCC
Self ignition temperature	: 788°F (420°C)
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 7.54 lb/gal (0.90g/cc)
Solubility	: 22% in water at 20°C
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Will not occur.

10.4. Conditions to avoid

Heat, sparks, ignition sources, sunlight, poor ventilation, corrosive atmospheres, excessive aging and watery or moist environments.

10.5. Incompatible materials

Strong oxidizers, strong acids, and strong bases, alkaline materials, amines.

10.6. Hazardous decomposition products

Carbon dioxide, carbon monoxide, various hydrocarbons.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological exposure may occur via inhalation, ingestion, and dermal contact based on the area exposed during use. Symptoms are more likely to increase the longer the exposure to product spray and vapors.

Acute toxicity : Not classified

Acetone (67-64-1)	
LC50 inhalation rat (mg/l)	50100 mg/m³ (Exposure time: 8 h)

Cyclohexanone (108-94-1)	
LD50 oral rat	800 mg/kg
LD50 dermal rabbit	948 mg/kg
LC50 inhalation rat (ppm)	8000 ppm/4h

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Cyclohexanone (108-94-1)	
IARC group	3

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Acetone (67-64-1)	
LC50 fish 1	4.74 - 6.33 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	10294 - 17704 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	6210 - 8120 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 2	12600 - 12700 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Cyclohexanone (108-94-1)	
LC50 fish 1	481 - 578 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	8.9 mg/l (Exposure time: 96 h - Species: Pimephales promelas)

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Acetone (67-64-1)	
BCF fish 1	0.69
Log Pow	-0.24

Cyclohexanone (108-94-1)	
BCF fish 1	(will not bioconcentrate)
Log Pow	0.86 (at 25 °C)

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

UN proper shipping name	: Aerosol
UN-No.(DOT)	: 1950
IMO packing group	: 3
DOT Transport hazard class	: 2.1
DOT NA no.	: UN1950
DOT Proper Shipping Name	: Flammable Gas
DOT classification	: ORM-D (until 2020) or Limited Quantity
DOT Shipping Placards	

SECTION 15: Regulatory information

CANADA

FiberTack MT-1 , Fibertack MT-1 BLU	
WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects

Proprietary Polymer 1 (Trade Secret)
Listed on the Canadian DSL (Domestic Substances List) inventory.

Acetone (67-64-1)
Listed on the Canadian DSL (Domestic Substances List) inventory.

WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects

Cyclohexanone (108-94-1)	
Listed on the Canadian DSL (Domestic Substances List) inventory.	
WHMIS Classification	Class B Division 3 - Combustible Liquid Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects

15.2. International regulations

Proprietary Polymer 1 (Trade Secret)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Acetone (67-64-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Cyclohexanone (108-94-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

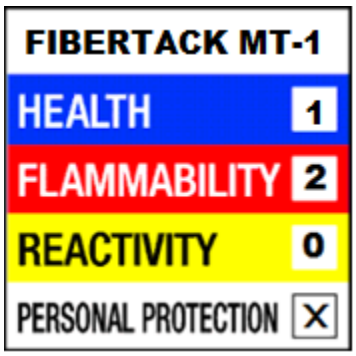
15.2.2. National regulations

Acetone (67-64-1)
Listed on the Canadian Ingredient Disclosure List

Cyclohexanone (108-94-1)
Listed on the Canadian Ingredient Disclosure List

SECTION 16: Other information

HMIS:



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