

Firelce Shield (Pre-mixed Gel)

Safety Data Sheet



SECTION 1: Identification

1.1. Identification

Product name : Firelce Shield (Pre-mixed Gel Ready for Use)

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

Use of the substance/mixture : Fire Retardant Gel (FRG); Fire Suppressant; Asset Protection and Containment for use in Hot Work

1.3. Details of the supplier of the safety data sheet

MLR Holdings 2020, LLC
14550 Peace River Way,
Palm Beach Gardens FL, 33418
(954) 614-2171

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Not classified as hazardous

2.2. Label elements

GHS-US labeling

No labeling applicable

Hazard pictograms (GHS-US)

Not applicable

Signal Word (GHS-US)

Not applicable

Hazard statements (GHS-US)

Not applicable

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	Classification (GHS-US)
Water	(CAS No) 7732-18-5	Not classified
Polyacrylate Polymer	(CAS No) Trade Secret	Eye Irrit. 2B, H320

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove to fresh air and remove material from affected areas. Seek medical advice or attention in the event of any adverse symptoms or irritation.

First-aid measures after skin contact : Wash with water. Seek medical advice if skin irritation develops or persists.

First-aid measures after eye contact : Flush with plenty of water for at least 15 minutes. Seek medical advice if irritation develops or persists.

First-aid measures after ingestion : Immediate first aid is not likely to be required. Seek medical advice or attention in the event of any adverse symptoms.

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

Symptoms/injuries after inhalation : Exposure may cause respiratory tract and lung irritation and may aggravate existing respiratory conditions.

Symptoms/injuries after skin contact : Exposure, such as in manufacturing, may aggravate existing skin conditions due to drying effect.

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Symptoms/injuries after eye contact	: Eye contact may cause burning, drying, itching and other discomfort, resulting in reddening of the eyes.
Symptoms/injuries after ingestion	: Although not a likely route of entry, tests have shown that polyacrylate absorbents are non-toxic if ingested. However, as in any instance of non-food consumption, seek medical attention in the event of any adverse symptoms.

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	: Not flammable. Use suitable extinguishing media for surrounding fire.
Unsuitable extinguishing media	: None.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: None known.
Explosion hazard	: None known.

5.3. Advice for firefighters

Protection during firefighting	: No hazard is presented from use of this product; however, firefighters should wear personal protective gear during firefighting
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment, and emergency procedures

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

None.

6.3. Methods and material for containment and cleaning up

For containment	: Stop the flow of material if this is without risk. Use caution after contact of product with water as slippery conditions may result.
Methods for cleaning up	: Product may be removed by wiping treated area with water. If product has dried, sweep or vacuum material when possible and shovel into a waste container. Dispose of waste in accordance with local, state, and federal regulations.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Avoid contact with eyes.
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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Avoid storage in excessive heat or freezing temperatures; safely store at ambient temperatures between 10 and 55 degrees C. Keep container tightly closed. May be stored for up to six years.
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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Components with limit values that require monitoring at the workplace:

8.2. Additional Information

No additional information available

8.3. Exposure controls

Appropriate engineering controls	: Local exhaust and general ventilation must be adequate to meet exposure standards.
Hand protection	: None required under normal product handling conditions.

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Eye protection	: Safety glasses should be worn in accordance with good industrial hygiene and safety practices.
Skin and body protection	: Wear suitable working clothes.
Respiratory protection	: None required under normal product handling conditions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid/Gel
Appearance	Viscous
Odor	Odorless

Odor threshold	: No data available
pH	: 7.05
Melting point	: 390 °C
Freezing point	: -3°C
Boiling point	: 100 °C
Flash point	: > 100 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Solubility	: Insoluble.
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Conductivity	: Less than 5 Siemens per meter
Combustibility	: Non-combustible
Thermal Performance	: Exceeds standards set in accordance with FM 4950

9.2. Other information

Shake/agitate prior to use.

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

None

10.5. Incompatible materials

None

10.6. Hazardous decomposition products

None known

SECTION 11: Toxicological information

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Acute toxicity : Not classified

11.1. Information on toxicological effects

Water (7732-18-5)	
LD50 oral rat	> 90 ml/kg
Polyacrylate Polymer (Trade Secret)	
LD50 oral rat	> 40 g/kg

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

No negative or toxic effects on the environment are anticipated when released in dilution for terrestrial and aquatic ecosystems; based on government testing. Composted polyacrylate polymers are inert and nontoxic to aquatic or terrestrial organisms at predicted exposure levels from current application rates.

12.2. Persistence and degradability

Decomposes over time or in the presence of natural sunlight when applied to terrestrial substrate or vegetation. Product is inert in aerobic and anaerobic conditions. They are immobile in landfills and soil systems (>90% retention), with the mobile fraction showing biodegradability. They are also compatible with incineration of municipal solid waste. Incidental down-the-drain disposal of small quantities of polyacrylic polymers will not affect the performance of wastewater treatment systems.

12.3. Bio accumulative potential

No additional information available

12.4. Mobility in soil

Polyacrylate polymers are immobile in landfills and soil systems (>90% retention), with the mobile fraction showing biodegradability.

12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : This product is a non-hazardous waste material suitable for approved solid waste landfills. Diluted product is non-soluble and can be disposed of in suitable effluent treatment plants. Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not a dangerous good as defined in transport regulations

SECTION 15: Regulatory information

15.1. US Federal regulations

Water (7732-18-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Polyacrylate Polymer (Trade Secret)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

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15.2. US State regulations

No additional information available

SECTION 16: Other information

Eye Irritation	Eye irritation, Category 2B
Note:	Safety glasses should be worn in accordance with good industrial hygiene and safety practices.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product