



SECTION 1: Identification

1.1. Identification

Product name : Firelce LH5 Yfcgc`GdfUm

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

Use of the substance/mixture : Fire Chemical

1.3. Details of the supplier of the safety data sheet

GelTech Solutions
1460 Park Lane S, Suite 1
Jupiter, FL 33458
T 561-427-6144 - F 561-427-6182

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Eye Irrit. 2B H320

Full text of hazard classes and H-statements : see section 16

Product Contains 1-propene, 1,3,3,3-tetrafluoro-, (1E)-



OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)
Classification of the substance or mixture: GASES UNDER PRESSURE - Liquefied gas
Signal word Hazard statements: Contains gas under pressure; may explode if heated. May cause frostbite.

2.2. Label elements

GHS-US labeling

Signal word (GHS-US) : Warning
Hazard statements (GHS-US) : H320 - Causes eye irritation
Precautionary statements (GHS-US) : P264 - Wash thoroughly after handling
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337+P313 - If eye irritation persists: Get medical advice/attention

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. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	GHS-US classification
1-Propene, 1,3,3,3-tetrafluoro-, (1E)-	(CAS No) 29118-24-9 16.7%	Not classified
Water	(CAS No) 7732-18-5 82.4%	Not classified
Proprietary Component	(CAS No) Trade Secret .9%	Eye Irrit. 2B, H320

Full text of H-phrases: see section 16

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.

Firelce XT Aerosol Spray

Safety Data Sheet

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.
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 the Proprietary component referenced in section 3.2 is 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	: 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

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	: 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.
-------------------------------	----------------------------

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Avoid storage in excessive heat or freezing temperatures.
--------------------	---

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. 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.
Eye protection	: Safety glasses.

Firelce XT Aerosol Spray

Safety Data Sheet

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
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

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

None

10.5. Incompatible materials

None

10.6. Hazardous decomposition products

None known

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Proprietary Component (Trade Secret)		
LD50 oral rat	Not Available	
Proprietary Component 1	(CAS No) Trade Secret	Eye Irrit. 2B, H320

Firelce XT Aerosol Spray

Safety Data Sheet

Water (7732-18-5)

LD50 oral rat	> 90 ml/kg
---------------	------------

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes eye irritation.
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 Proprietary component referenced in section 3.2 are 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. Proprietary component referenced in section 3.2 are relatively 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. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

Proprietary component referenced in section 3.2 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

Transport document description

UN-No.(DOT)	: UNI 1950
Proper Shipping Name (DOT)	: Aerosol
Class (DOT)	: 2.2
Hazard labels (DOT)	: 2.2



DOT Packaging Non Bulk (49 CFR 173.xxx) : 167

Firelce XT Aerosol Spray

Safety Data Sheet

DOT Packaging Bulk (49 CFR 173.xxx) : None
DOT Packaging Exceptions (49 CFR 173.xxx) : 167
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 30 kg gross
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 30 kg gross
Other information : No supplementary information available.

Air transport

UN-No. (IATA) : 8000
Proper Shipping Name (IATA) : Consumer commodity
Class (IATA) : 9 - Miscellaneous Dangerous Goods

SECTION 15: Regulatory information

15.1. US Federal regulations

Proprietary Component

Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C)).
--------------------------	---

Water (7732-18-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

1-Propene, 1,3,3,3-tetrafluoro-, (1E)- (29118-24-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag	P - P - indicates a commenced PMN substance.
--------------------------	--

15.2. US State regulations

No additional information available

SECTION 16: Other information

Full text of H-phrases:

Eye Irrit. 2B	Serious eye damage/eye irritation Category 2B
H320	Causes eye irritation

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