



### SECTION 1: Identification

#### 1.1. Identification

Product name : FireIce Polar EcoFoam Class A

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

Use of the substance/mixture : Firefighting Foam Concentrate

#### 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

##### Classification (GHS-US)

Serious Eye Damage, Category 1

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US)



DANGER

Hazard statements (GHS-US)

: H318 – Causes serious eye irritation

Precautionary statements (GHS-US)

: P280 – Wear protective gloves / protective clothing / eye protection / face protection  
P305 + P351 + P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P310 - Immediately call Poison Control or a doctor

#### 2.3. Other hazards

Contains Alcohols, C12-14, ethoxylated, sulfates, sodium salts

#### 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)
Diethylene glycol monobutyl ether	112-34-5	Eye Irr, Cat 2
Polyethyleneglycol	25322-68-3	STOT SE3
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	Skin Irr, Cat 2, Eye Dam, Cat 1, Aquatic Chronic 3
Diocetyl sodium sulfosuccinate	577-11-7	Skin Irr, Cat 2, Eye Dam, Cat 1

### 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. Remove any contaminated clothing and launder before reuse 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

First-aid measures after ingestion : DO NOT induce vomiting! Rinse mouth out with water, but do not give anything to drink. If symptoms develop, seek medical attention.

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### 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	: 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. Product is an extinguishant.
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.
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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

Wear suitable protective clothing, gloves, and safety goggles

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Prevent from entering sewers or the immediate environment. Contain the spillage using bunding / diking. In case of large spill, inform local authorities.

### 6.3. Methods and material for containment and cleaning up

For containment	: Stop the flow of material, if this is without risk
Methods for cleaning up	: Absorb in vermiculite, dry earth or sand. Transfer to a closable, labelled container for disposal by an appropriate method. Dispose of waste in accordance with local, state and federal regulations.

### 6.4. Reference to other sections

See section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling:	Ensure there is sufficient ventilation. Avoid contact with skin and eyes. Do not ingest.
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### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions:	Store in cool, well ventilated area in original containers. Keep container tightly closed when not in use.
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### 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	: Ensure good ventilation. Arrange for eye wash possibility.
Hand protection	: Protective gloves must be used if there is a risk of direct contact or splash.
Eye protection	: Safety glasses or goggles.

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Skin and body protection : Wear suitable working clothes, laboratory coat or overalls.  
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 : Clear yellowish liquid  
Odor : Weak organic.  
Odor threshold : No data available  
pH : 6.5 – 8.5  
Melting point : No data available  
Freezing point : No data available  
Boiling point : No data available  
Flash point : Not Flammable  
Relative evaporation rate (butyl acetate=1) : No data available  
Relative evaporation rate (ether=1) : No data available  
Flammability (solid, gas) : Not Relevant  
Explosion limits : No data available  
Explosive properties : No data available  
Oxidizing properties : None  
Vapor pressure : No data available  
Relative density : No data available  
Relative vapor density at 20 °C : 1.01-1.05  
Solubility : Miscible in all proportions  
Log Pow : No data available  
Auto-ignition temperature : Not Flammable  
Decomposition temperature : No data available  
Viscosity : No data available  
Viscosity, kinematic : No data available  
Viscosity, dynamic : No data available

#### 9.2. Other information

Note: These are typical values and do not constitute a specification

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Not reactive

#### 10.2. Chemical stability

The product is stable at normal handling and storage conditions

#### 10.3. Possibility of hazardous reactions

None known

#### 10.4. Conditions to avoid

None known

#### 10.5. Incompatible materials

Strong oxidizing agents

#### 10.6. Hazardous decomposition products

None known

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

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### Test Data:

LD50 oral rat > 5050 mg/kg

LD50 dermal rabbits > 2020 mg/kg

Skin corrosion/irritation : May cause mild, transient skin irritation  
Serious eye damage/irritation : Causes serious eye damage, Test data show as Class 1 irritant  
Respiratory or skin sensitization : May cause mild transient irritation of the throat  
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

Toxicity to daphnia EC50 - Daphnia magna (Water Flea) – 96.9 mg/l - 48 hours

NOEC - Daphnia magna (Water Flea) – 50 mg/l - 48 hours.

Toxicity to fish LC50 – Rainbow trout – 46.5 – 77.5 mg/l - 96 hours

### 12.2. Persistence and degradability

Not Determined

### 12.3. Bioaccumulation potential

Not Determined

### 12.4. Mobility in soil

Not Determined

### 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 : Dispose of waste product and contaminated packaging in accordance with applicable Federal, Regional and local laws and regulations. Local regulations may be more stringent than regional or Federal requirements.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

**Special precautions for user:** See P statements above

Not classified as dangerous for transport

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### All Ingredients:

Listed on the United States TSCA (Toxic Substances Control Act) inventory and classified according to the hazard criteria of the HSC 2012

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### 15.2. US State regulations

No additional information available

### SECTION 16: Other information

Full text of H-phrases:

H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H412	Harmful to aquatic life with long lasting effects

#### HAZARD RATING SYSTEMS:

This information is for people trained in:

National Paint & Coatings Association's (NPCA), Hazardous Materials Identification System (HMIS)

National Fire Protection Association (NFPA 704), Identification of the Fire Hazards of Materials

Hazardous Material Information (HMIS)		National Fire Protection Association (NFPA)	
Health	2	2	Health
Fire	0	0	Fire
Reactivity	0	0	Instability

Health	4 Deadly	3 Extreme Danger	2 Dangerous	1 Slight hazard	0 No hazard
Fire	4 < 73 °F	3 < 100 °F	2 < 200 °F	1 >200 °F	0 Will not burn
Reactivity/Instability	4 - May detonate	3 Explosive	2 Unstable	1 Normally stable	0 Stable

*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*