

# FlexRope

## SAFETY DATASHEET

### 1. IDENTIFICATION OF THE PRODUCT AND THE MANUFACTURER

<b>Product name</b>	FlexRope
<b>Manufacturer</b>	Firetrace International 8435 N. 90th Street, Suite 2, Scottsdale, Arizona 85258 Telephone: +1 (480) 607-1218 E-mail: flexrope@firetrace.com
<b>Technical description</b>	FlexRope, composed of fire suppressant granules, enclosed in a membrane, and surrounded by an outer sheath
<b>Sphere of application</b>	Autonomous installation that when directly exposed to fire releases a fire suppressing agent that can suppress fire within an enclosure. Suitable for class A, B and C fires in an ambient temperature range from -40°C to 150°C

### 2. IDENTIFICATION OF HAZARDS

<b>Classification of the product</b>	Hard flammable Non-irritant
<b>Safety phrases</b>	S2 - Keep out of the reach of children. S41 - In case of fire and/or explosion do not breathe fumes S45 - In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)
<b>Other hazards</b>	Ingredient "Potassium nitrate - KNO <sub>3</sub> " (CAS № 7757-79-1) is classified as "May be harmful if swallowed", "May intensify fire; oxidizer", "May cause respiratory irritation", "Causes skin irritation", "Causes serious eye irritation", "Harmful to aquatic life with long lasting effects"

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## 3. INGREDIENTS

INGREDIENTS	WEIGHT	CAS-RN
Epoxy Resin Polyepichlorohydrin	26 %	24969-06-0
Potassium nitrate	35 %	7757-79-1
Potassium Carbonate	9 %	584-08-7
Fiber glass continuous Filament	15 %	65997-17-3
Polyester Yarn	2 %	None
Vinyl Chloride	10 %	9002-86-2
Natural Rubber	3 %	9006-04-6

## 4. FIRST AID MEASURES

<b>Common information</b>	The product does not pose a danger, requiring resuscitation measures.
<b>In case of inhalation of combustion products</b>	Move person to fresh air, keep calm. According to the situation, seek medical help.
<b>In case of swallowing</b>	Induce vomiting. According to the situation seek medical help.

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## 5. FIRE SAFETY

The product does not pose a fire hazard. The product is designed to suppress fire.

The product refers to combustible substances.

The product does not support self-burning.

Exact fire risk indices were not defined.

Prohibited types of fire-fighting means: none.

## 6. MEASURES TO PREVENT AND ELIMINATE ACCIDENTS

The product may not be a cause or an aggravating factor in an emergency or disaster.

## 7. REGULATION OF STORAGE PRODUCTS AND HANDLING

<b>Common information</b>	Storage and handling – according to the operational documentation. No special requirements for storage and handling. The product is not dangerous cargo.
<b>Storage and operating</b>	-40 °C to 150 °C Humidity < 80 %
<b>Expiration period</b>	5 years
<b>Warnings</b>	Do not expose to sunlight and water. Transporting only in the manufacturer's packaging.

## 8. PERSONAL PROTECTIVE EQUIPMENT

During storage, transportation, installation, and operation of the product does not require the use of personal protective equipment.

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## 9. PHYSICO-CHEMICAL PROPERTIES

<b>Common information</b>	The product is a flexible line containing solid granules
<b>Physical condition</b>	Solid
<b>Color</b>	Variable
<b>Solubility</b>	This product is soluble in water and organic compounds

## 10. STABILITY AND REACTIVITY

In compliance with the conditions of storage and use - a stable product.

Chemically neutral.

## 11. TOXICITY

The product is not an obvious toxicological hazard.

Toxicity of combustion products is not determined.

## 12. IMPACT ON THE ENVIRONMENT

This product does not contain environmentally harmful substances

Ingredient "Potassium nitrate - KNO<sub>3</sub>" (CAS № 7757-79-1) is classified as "harmful to aquatic life with long lasting effects"

## 13. DISPOSAL CONSIDERATIONS

Dispose of contents/container through a waste management company authorized by the local government.

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## 14. TRANSPORT INFORMATION

### 14.1. UN number

UN number is not set (not a hazardous material)

### 14.2. UN proper shipping name

Solid state material, non-hazardous

### 14.3. Transport hazard classes

This product is not classified as dangerous for IATA Transport

### 14.4. Packing group

Unknown

### 14.5. Environmental hazards

Not a hazardous material

### 14.6. Special precautions for user

Do not expose to the sunlight, must comply with storage temperature range

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Unknown

## 15. REGULATORY INFORMATION

### 15.1. Safety, health, and environmental regulations/legislation specific for the substance or mixture

No specific regulatory

### 15.2. Chemical safety assessment

Not applicable

## 16. OTHER INFORMATION

Website: [www.firetrace.com/flexrope](http://www.firetrace.com/flexrope)