

# Safety data sheet

## FIRESAFE FT Graphite

Version 4.0

Effective date: 06-12-2022

Revised date: 19-12-2023

# FIRESAFE



## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / UNDERTAKING

### 1.1 Product identifier.

**Trade name:** FIRESAFE FT Graphite

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

**Product use:** Openings for pipe and cable penetrations.

### 1.3 Details of the Supplier of the safety data sheet:

**Company:** Firesafe AS  
Robsrudskogen 15  
1470 Lørenskog,  
Norge  
Phone: +47 09110

**Contact:** firmapost@firesafe.no

### 1.4 Emergency telephone number:

Country	Organisation/Company	Address	Emergency number
United Kingdom	National Poisons Information Service (Newcastle Unit)	Claremont Place Newcastle-upon-Tyne, Newcastle	+44 191 2606182 / +44 191 2606180 (24H)
Norway	Giftinformasjonen Directorate of Health and Social Affairs	P.O. Box 7000, St. Olavs Plass 0130 Oslo	+47 22 59 13 00 (24H ) Open everyday, 24 hours a day.
Other country	Use your national or local emergency number.		

## SECTION 2. HAZARDS IDENTIFICATION

**2.1 Classification of the substance or mixture according to CLP No 1272/2008/GB CLP.**  
Not classified.

**2.2 Label elements CLP No 1272/2008/GB CLP:**

Not classified.

**Additional labelling:**

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### 2.3 Other hazards.

Contains no PBT or vPvB substances according to REACH No 1907/2006.

This mixture does not contain substances with endocrine disrupting properties in accordance with the criteria laid down in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substance:

The product is a mixture.

### 3.2 Mixture:

CAS/EC No	REACH No	Name	Content %	Classification
25767-47-9 / -	Not relevant	Acrylic polymer	25<50	Not classified.
7782-42-5 / 231-955-3	01-2119514421- 54-xxxx	Carbon	15-25	Not classified.
16389-88-1 / -	Not relevant	Dolomite	10-25	Not classified.
27138-31-4 / -	Not relevant	Flexibilizer	1-5	Aquatic Chronic 3; H412.

See full text of H-phrases in section 16. Occupational limits are listed in section 8, if these are available.

## SECTION 4. FIRST AID MEASURES

### 4.1 Description of first aid measures:

#### General information:

Never give anything by mouth to an unconscious person.

#### Inhalation:

Remove to fresh air; seek medical advice if irritation persists.

#### Skin contact:

Wash with soap and water, do not use solvents.

#### Eye contact:

Remove contact lenses. Rinse eyes for several minutes with plenty of lukewarm water until the irritation stops. Make sure to flush under the upper and lower eyelids. Seek medical attention if irritation persists.

#### Ingestion:

Flush mouth with water. Do not induce vomiting, seek medical advice.

### 4.2 Most important symptoms and effects, both acute and delayed:

May cause irritation, redness or dry skin.

### 4.3 Indication of any immediate medical attention and special treatment needed:

Treat symptomatically.



## SECTION 5. FIRE FIGHTING MEASURES

**5.1 Extinguishing media:** Non-flammable. Select the appropriate fire extinguisher for the surrounding environment.

**Unsuitable extinguishing media:**  
None known.

**5.2 Special hazards arising from the substance or mixture:**  
Forms carbon dioxide in case of fire, avoid inhalation.  
Product rapidly expands at  $>+200^{\circ}\text{C}$ ; see section 10.

**5.3 Advice for firefighters:** Wear self-contained breathing apparatus and protective clothing to prevent contact. Do not allow run off from firefighting to contaminate environment.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment and emergency procedures:**  
Wear appropriate personal protective equipment as specified in section 8.

**6.2 Environmental precautions:**  
Do not discharge into the drains/surface waters/groundwater.

**6.3 Methods and material for containment and cleaning up:**  
Dam and absorb spillage with sand, earth or other non-combustible material. Collect dry product mechanically. Clean with water. Store in appropriate container for disposal.

**6.4 Reference to other sections:**  
See section 8 and 13.

## SECTION 7. HANDLING AND STORAGE

**7.1 Precautions for safe handling:**  
See Section 8 for personal protection. Used in well-ventilated area. Avoid contact with skin and eyes. Keep container tightly closed and upright when not in use.

**7.2 Conditions for safe storage, including any incompatibilities:**  
Store dry in original packaging, between  $+5^{\circ}\text{C}$  and  $+30^{\circ}\text{C}$ , max. 70% RH. Keep separately from oxidizing agents, strongly alkaline and acidic materials. Avoid risk of contamination of ground or surface waters.

**7.3 Specific end use(s):** This product should only be used for applications described in section 1.2.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters - occupational exposure limits WEL (Great Britain):

Carbon (graphite) – respirable dust:  $4.0 \text{ mg/m}^3$ .

Carbon (graphite) – total dust:  $10.0 \text{ mg/m}^3$ .

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### DNEL / PNEC:

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### 8.2 Exposure controls.

#### Appropriate technical measures:

Airborne concentrations should be kept as low as possible. Ensure good ventilation at the workplace.

#### General information / Hygiene measures:

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom. Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face. Avoid contact with eyes and skin.

#### Personal protective equipment:

Only CE-marked personal protection equipment should be used.



#### Respiratory protection:

Normally not required.

#### Hand protection:

Wear protective gloves.  
Option: Nitrile.  $\geq 120$  min. EN 374.

#### Eye protection:

Use tight-fitting safety goggles if risk of eye contact. EN 166

#### Body protection:

Normal work clothing.

#### Measures to avoid environmental exposure:

No special precautions are necessary.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties:

Physical state:	Paste
Colour:	Dark grey
Odour:	Compliant for M1
Melting point/freezing point:	Not relevant/no data
Boiling point:	Not relevant/no data
Flammability:	Not relevant/no data
Lower and upper explosion limit:	Not relevant/no data
Flash point:	$>+100^{\circ}\text{C}$
Auto-ignition temperature:	Not relevant/no data
Decomposition temperature:	Not relevant/no data
pH:	$\sim 8.0$
Viscosity:	$\sim 4.7$ mPas - $+20^{\circ}\text{C}$
Solubility:	Miscible if wet
Partition coefficient n-octanol/water:	Not relevant/no data

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Vapour pressure:	Not relevant/no data
Density and/or relative density:	~1.36 g/cm <sup>3</sup> - +20°C
Relative vapour density:	Not relevant/no data
Particle characteristics:	Not relevant/no data
Water contents:	280 g/L

Ecolabel, VOC: A+, EMICODE, Indoor Air Comfort Gold, M1, Blue Angel, Agbb, EN 717-1§.

### 9.2 Other information:

Euro class: F acc. EN 13501-1.

Hardness: Shore A: 55 – 60.

Activation temperature: approx. +180°C.

## SECTION 10. STABILITY AND REACTIVITY

**10.1 Reactivity:** Stable under recommended conditions; see Section 7 and 9.2.

**10.2 Chemical stability:** Stable under recommended conditions; see Section 7.

**10.3 Possibility of hazardous reactions:**

Product contains combustible components; see 10.6.

**10.4 Conditions to avoid:** Avoid risk of contamination of ground or surface waters. Contact with oxidizing agents.

**10.5 Incompatible materials:** Oxidizing agents, strong acids and bases.

**10.6 Hazardous decomposition products:**

Fire will produce hazardous products of combustion; avoid exposure to decomposition: Oxides of carbon released at >+300°C.

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008/GB CLP.

**Acute toxicity:** Not classified.

**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.

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**Specific target organ toxicity – repeated exposure:** Not classified.

**Aspiration hazard:** Not classified.

### 11.2 Information on other hazards:

**Endocrine disrupting properties:**  
The product/substance has no endocrine disrupting properties.

**Additional Information:** None specific.

## SECTION 12. ECOLOGICAL INFORMATION

**12.1 Toxicity:** The product is not classified as harmful to the environment.

**12.2 Persistence and degradability:**  
Product is not biodegradable

**12.3 Bioaccumulative potential:**  
Product is not bioaccumulating.

**12.4 Mobility in soil:** Not mobile.

**12.5 Result of PBT and vPvB assessment:**  
Not classified as PBT/vPvB by current EU criteria.

**12.6 Endocrine disrupting properties:**  
The product/substance has no endocrine disrupting properties.

**12.7 Other adverse effects:**  
None known.

## SECTION 13. DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods:**  
Dispose of waste and residues in accordance with local authority requirements. The coding of a waste stream is based on the application of the product by the consumer.

**Contaminated packing:** Well emptied cans/containers should be disposed according to packaging materials, if not, like the product.



## SECTION 14. TRANSPORT INFORMATION

This product is not classified as dangerous to transport.

	<b>ADR/RID</b>	<b>IMDG/IMO</b>
<b>14.1 UN number or ID number</b>	Not relevant	Not relevant
<b>14.2 UN proper shipping name</b>	Not relevant	Not relevant
<b>14.3 Transport hazard class(es)</b>	Not relevant	Not relevant
<b>14.4 Packing group</b>	Not relevant	Not relevant
<b>14.5 Environmental hazards - MP</b>	No	No
<b>Other informations</b>	Not relevant	Not relevant

**14.6 Special precautions for user:**

Keep in closed packaging, upright and secure; do not stack pallets.  
Keep dry and frost free (> +5°C) at all times.

**14.7 Maritime transport in bulk according to IMO instruments:**

Not relevant.

## SECTION 15. REGULATORY INFORMATION

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**Sources:**

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009. Control of Substances Hazardous to Health Regulations 2002 (as amended). Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997. Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013. Regulation (EU) 2016/425 of 9 March 2016 on personal protective equipment. Hazardous Waste (England and Wales) Regulations 2005 (as amended). EC regulation 1907/2006 (REACH) Directive 2000/532/EC. Seveso directive: 96/82/EC. EC regulation No 2020/878. CLP regulation No 1272/2008. REACH regulation 1907/2006. GB CLP.

**Additional information:** Product is CE marked.

**15.2 Chemical safety assessment:**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

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## SECTION 16. OTHER INFORMATION

**Full text of H-phrases as mentioned in section 3:**

H412 Harmful to aquatic life with long lasting effects.

**Additional information:**

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.

**Revised 19-12-2023 section:**

3.

**Validated by:**

SRS

[www.msds-eu.com](http://www.msds-eu.com)

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