



Fajalit

Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

Issue date: 15/09/2020 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : Fajalit
Chemical name : Slags, copper smelting
EC-No. : 266-968-3
CAS-No. : 67711-92-6
REACH registration No : 01-21199513228-45

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Grit blasting

1.2.2. Uses advised against

Restrictions on use : Use only according to identified uses.

1.3. Details of the supplier of the safety data sheet

Clemco Norge AS
Industriveien 8
1481 Hagan - Norge
T +47 23 12 51 20
clemco@clemco.no - www.clemco.no

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Norway	Giftinformasjonen Helsedirektoratet	P.O. Box 7000 St. Olavs Plass 0130 Oslo	+47 22 59 13 00	Ambulance: 113

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type : UVCB

Name	Product identifier	%
Slags, copper smelting	(CAS-No.) 67711-92-6 (EC-No.) 266-968-3 (REACH-no) 01-21199513228-45	100

Comments : Contains iron silicate. Contains no free quartz or free metals.

Fajalit

Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: In case of doubt or persistent symptoms, consult always a physician. Emergency telephone number, see section 1.4.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Rinse skin with water/shower.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Give water to drink. If discomfort persist, seek medical attention.

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

Symptoms/effects after inhalation	: Dust from this product may cause respiratory irritation.
Symptoms/effects after skin contact	: Dust may irritate the skin in a mechanical way.
Symptoms/effects after eye contact	: Dust may irritate eyes mechanically.
Symptoms/effects after ingestion	: May cause discomfort.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media	: Do not use straight streams.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Not combustible.
Hazardous decomposition products in case of fire	: Metallic oxides.

5.3. Advice for firefighters

Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
--------------------------------	---

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Ventilate spillage area. Do not breathe dust. Use personal protective equipment as required. Refer to section 8.
------------------	--

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Avoid dust production. Water before sweeping or use a vacuum cleaner.
Other information	: Dispose of materials or solid residues at an authorized site. Refer to section 13.

6.4. Reference to other sections

For further information refer to section 8 and 13.

Fajalit

Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid dust production. Do not breathe dust. Avoid contact with eyes. Wear personal protective equipment. Refer to section 8.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry place. Store in a closed container.

Incompatible materials : Strong acids. Strong bases. Strong oxidizers. Strong reducing agents.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Slags, copper smelting (67711-92-6)

Norway	Total inhalable dust: 10 mg/m ³ Respirable dust: 5 mg/m ³
--------	--

Reference : Regulations concerning Action and Limit Values, 06.12.2011 no. 1358 (Norwegian Labour Inspection Authority)

8.2. Exposure controls

Appropriate engineering controls:

Provide adequate general and local exhaust ventilation.

Personal protective equipment:

During blasting an approved blast helmet/mask with compressed air supply together with protection clothing and gloves must be used to protect against rebounding blast media and dust.

Hand protection:

Protective gloves. Leather. EN 388

Eye protection:

Chemical goggles or face shield. EN 166

Skin and body protection:

Wear suitable protective clothing. EN ISO 13982

Respiratory protection:

Dust production: dust mask with filter type P2 or P3. EN 143. In case of insufficient ventilation, wear suitable respiratory equipment. EN 12942

Environmental exposure controls:

Avoid release to the environment.

Other information:

Eye wash station must be available at the workplace.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : Granular. 0.2 - 1.4 mm.

Colour : Black, glassy surface.

Odour : odourless.

Fajalit

Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

Odour threshold	: Not applicable
pH	: Not applicable
pH solution	: < 10 (40% aqueous dispersion, 20°C)
Relative evaporation rate (butylacetate=1)	: Not applicable
Melting point	: 1027 – 1341 °C
Freezing point	: Not applicable
Boiling point	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: Not applicable
Relative vapour density at 20 °C	: Not applicable
Relative density	: No data available
Density	: 3.11 – 4.2 g/cm ³
Solubility	: Water : Insignificant.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Explosive properties	: Not explosive.
Oxidising properties	: Not classified as oxidizing.
Explosive limits	: Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions may occur on contact with chemicals listed in 10.5. In contact with acids, flammable hydrogen gas may be formed.

10.4. Conditions to avoid

None to our knowledge.

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents. Strong reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. See also section 5.2.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

Slags, copper smelting (67711-92-6)	
LD50 oral rat	> 2000 mg/kg Test method EU B.1 (bis)
LD50 dermal rat	> 2000 mg/kg Test method EU B.3

Fajalit

Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

Skin corrosion/irritation	: Not classified. Test method EU B.4 (Based on available data, the classification criteria are not met) pH: Not applicable
Additional information	: Dust may irritate the skin in a mechanical way.
Serious eye damage/irritation	: Not classified. Test method EU B.5 (Based on available data, the classification criteria are not met) pH: Not applicable
Additional information	: Dust may irritate eyes mechanically
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified. Test method EU B.13 (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: Dust from this product may cause respiratory irritation
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Other information	: Used product may contain contaminations with greater health risks than the original product.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

12.2. Persistence and degradability

Fajalit (67711-92-6)	
Persistence and degradability	Not relevant. Contains only inorganic substances.

12.3. Bioaccumulative potential

Fajalit (67711-92-6)	
Bioaccumulative potential	Not relevant.

12.4. Mobility in soil

Fajalit (67711-92-6)	
Ecology - soil	Iron sand (fayalite slag) is a complex inorganic substance (UVCB). It contains mainly of ferrous silicate (fayalite) and silicate of aluminum and calcium. Traces of metals can be found in metal/mineral phase or in silicate compounds. Physico-chemical examination of the slag shows that trace metals are strongly bound in the glass/crystal structure of the silicate as well as in other mineral compounds. This results in limited leakage/low water solubility of trace metals present in the matrix. The product contains metals that can be leached with water on contact with acidic water (low pH) to a small extent.

Fajalit

Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

12.5. Results of PBT and vPvB assessment

Fajalit (67711-92-6)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Non hazardous waste. Remove to an authorized waste treatment plant.
Additional information : Used product can be hazardous waste.
European List of Waste (LoW) code : 12 01 16* - waste blasting material containing dangerous substances
12 01 17 - waste blasting material other than those mentioned in 12 01 16

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

Fajalit

Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Slags, copper smelting is not on the REACH Candidate List

Slags, copper smelting is not on the REACH Annex XIV List

Fajalit is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Fajalit is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

Abbreviations and acronyms:	
PBT	Persistent Bioaccumulative Toxic
vPvB	Very Persistent and Very Bioaccumulative

Data sources : Safety Data Sheet from the supplier/manufacturer.

Other information : Compiled by SDS-Chemie, Bente Frogner.

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.