Safety data sheet
Firesafe / FSP
Version 2.0
Effective date: 25-03-2025
Revise date: 11-12-2025

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

1.1 Product identifier.

Trade name: Firesafe / FSP.

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

Product use: Fire-retardant paint used in combination with FIRESAFE / FSB1 and FIRESAFE / FSB2, as well as painting cable penetrations for fire and smoke-proof sealing to adjoining rooms.

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:
EUH208 Contains 1,2-benzisothiazol-3(2H)-one, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.
EUH210 Safety data sheet available on request.

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	Name	Content %	Classification
13463-67-7 / 236-675-5	Excempted	Titanium dioxide	4.5	Not classified
107-21-1- / 203-473-3	Excempted	Ethanediol	0.31	Acute Tox. 4; H302, STOT RE 2; H373.
7664-41-7 / 231-635-3	Excempted	Ammonia*	0.03	Skin Corr. 1B; H314, Eye dam. 1; H318, STOT SE 3; H335, Aquatic Acute 1; H400 (M=1).
2634-33-5 / 220-120-9	Excempted	1,2-benzisothiazol-3(2H)-one**	0.02	Acute Tox. 4; H302 Skin Irrit. 2; H315, Skin Sens. 1A; H317, Eye Dam. 1; H318, Acute Tox. 2; H330 (inhalation), Aquatic Acute 1; H400 (M=1), Aquatic Chronic 1; H410 (M=1).
55965-84-9 / -	Excempted	Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)***	0.0014	Acute Tox. 3; H301, Acute Tox. 2; H310+ H330, Skin Corr. 1C; H314, Skin Sens. 1A; H317, Eye Dam. 1; H318, Aquatic Acute 1; H400 (M=100), Aquatic Chronic 1; H410 (M=100).

*Specific concentration limits CAS 7664-41-7 Ammonia:
STOT SE3, H335: C ≥ 5 %.

**Specific concentration limits CAS 2634-33-4 - 1,2-benzisothiazol-3(2H)-one:
Skin Sens. 1A; H317: C ≥ 0,036 %.

***Specific concentration limits CAS 55965-84-9 - Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1).
Eye Dam. 1; H318: C ≥0,6 %
Eye Irrit. 2; H319: 0,06 % ≤ C < 0,6 %
Skin Corr. 1C; H314: C ≥ 0,6 %
Skin Irrit. 2; H315: 0,06 % ≤ C < 0,6 %
Skin Sens. 1A; H317: C ≥ 0,0015 %

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

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures.

Inhalation: Remove person to fresh air. If experiencing respiratory symptoms: Call a poison center or a doctor.

Skin contact: Wash with soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Eye contact: Flush immediately with plenty of water. If eye irritation persists: Get medical advice/attention.

Ingestion: Rinse mouth with water and spit out.

4.2 Most important symptoms and effects, both acute and delayed:
May produce an allergic reaction.

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

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media: Select the appropriate fire extinguisher for the surrounding environment. Water mist, powder, carbon dioxide or alcohol resistant foam.

Unsuitable extinguishing media:
None known.

5.2 Special hazards arising from the substance or mixture:
Produces harmful gases (carbon monoxide and carbon dioxide) when burning.

5.3 Advice for firefighters: Wear self-contained breathing apparatus and protective clothing to prevent contact.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Wear appropriate personal protective equipment as specified in section 8.
Avoid contact with skin and eyes.
Ventilate area.

6.2 Environmental precautions:

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up:

Small spills: wipe up with absorbent material (e.g. cloth, fleece).
Large spills: use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in suitable closed container for disposal, according to local regulations. Then rinse the spillage site with plenty of water. Dispose of in accordance with section 13.

6.4 Reference to other sections:

See section 8 for personal protection.
See section 13 for disposal.

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.
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:

Store in a dry, cool and well-ventilated area.
Store only in original packaging.
Storage temperature: +5 - +30°C

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):

CAS No	Name:	Limits:	Comments
13463-67-7	Titanium dioxide	Long-term value (TWA): 10 mg/m³ Short-term value (STEL): 4 mg/m³	-
107-21-1	Ethylene glycol – particulate vapour	Long-term value: 10 mg/m³ Long-term value: 20 ppm, 52 mg/m³ Short-term value: 40 ppm, 104 mg/m³	Sk,

7664-41-7	Ammonia	Long-term value: 25 ppm, 18 mg/m³ Short-term value: 35 ppm, 25 mg/m³	-

Sk = Can be absorbed through skin.

DNEL / PNEC:
-

8.2 Exposure controls.

Appropriate technical measures:
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: Protective gloves are not normally required due to the properties of the product but may be required for other reasons such as mechanical risk, temperature conditions or microbiological risk. EN 374. EN 388.
Option: Nitrile gloves ≥30 min.
Thickness ≥0.11 mm.

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:	White
Odour:	Characteristic
Melting point/freezing point:	0°C
Boiling point:	Not relevant/no data

Flammability:	Not relevant/no data
Lower and upper explosion limit:	Not relevant/no data
Flash point:	Wet product is not flammable
Auto-ignition temperature:	Not relevant/no data
Decomposition temperature:	Not relevant/no data
pH:	8 – 9
Kinematic viscosity:	Thixotropic, 10,714 mm2/s
Solubility:	Partially soluble
Partition coefficient n-octanol/water:	Not relevant/no data
Vapour pressure:	Not relevant/no data
Density and/or relative density:	1.35 – 1.45 g/cm³
Relative vapour density:	Not relevant/no data
Particle characteristics:	Not relevant/no data

9.2 Other information:
No data.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity: No dangerous reaction known under conditions of normal use and storage.

10.2 Chemical stability: Stable under recommended conditions.

10.3 Possibility of hazardous reactions:
No dangerous reactions to be expected if used properly.
Slow formation of CO2 gas after contact with acids.

10.4 Conditions to avoid: Avoid frost.

10.5 Incompatible materials: Acids.

10.6 Hazardous decomposition products:
None at recommended storage conditions and use.

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 sensitisation: 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.

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.

Ammonia – CAS 7664-41-7:
Fish – LC50 – 96 h.: 0.89 mg/L
Daphnia – EC50 – 48 h.:101 mg/l
Algae – EC50 – 18 d.: 2700 mg/L

1,2-benzisothiazol-3(2H)-one – CAS 2634-33-5:
Fish – LC50 – 96 h.: 2.2 mg/L
Daphnia – EC50 – 48 h.:1.2 mg/l
Algae – EC50 – 72 h..: 0.11 mg/L

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) – CAS 55965-84-9:
Fish – LC50 – 96 h.: 0.22 mg/L
Daphnia – EC50 – 48 h.:1.2 mg/l
Algae – EC50 – 72 h..: 0.048 mg/L

12.2 Persistence and degradability:
No data available.

12.3 Bioaccumulative potential:
No data available.

12.4 Mobility in soil: No data available.

12.5 Result of PBT and vPvB assesment:
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. Option:

EWC-code:

08 00 00 - WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS.
08 04 00 - wastes from MFSU of adhesives and sealants (including waterproofing products).
08 04 10 - waste adhesives and sealants other than those mentioned in 08 04 09.

Contaminated packing:

Properly cleaned container is disposed of according to packaging material, otherwise for incineration.

SECTION 14. TRANSPORT INFORMATION

This product is not classified as dangerous of transport.

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

14.6 Special precautions for user:

Not relevant.

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:
Current ADR regulations 2025. 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: None.

15.2 Chemical safety assessment:
No Chemical safety assessment has been carried out for this substance/mixture by the supplier.

SECTION 16. OTHER INFORMATION

Full text of H-phrases as mentioned in section 3:
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H310+H330 Fatal in contact with skin or if inhaled.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic 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.

Descriptions of possible used abbreviations:
BCF Bioconcentration factor.
BOD Biochemical Oxygen Demand.
CAS Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances).
COD Chemical oxygen demand.
DNEL Derived No-Effect Level.
EC50 Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval.
IMDG International Maritime Dangerous Goods Code.
LC50 Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval.
LD50 Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval.
log KOW n-Octanol/water.
MARPOL International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant").
PBT Persistent, Bioaccumulative and Toxic.

PNEC Predicted No-Effect Concentration.
UN RTDG UN Recommendations on the Transport of Dangerous Good.
vPvB Very Persistent and very Bioaccumulative.

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