

Safety Data Sheet

Stalosan F

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

1.1. Product identifier

Trade name: Stalosan F

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

Recommended uses: Dry disinfectant

1.3. Details of the supplier of the safety data sheet

Supplier

Company: Stormøllen A/S
 Address: Pederstrupvej 5, Løvel
 Zip code: 8830 Tjele
 Country: DENMARK
 E-mail: vitfoss@vitfoss.dk
 Phone: +45 33 68 56 00
 Fax: +45 33 68 86 35

1.4. Emergency Telephone Number

#Not translated#

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: The product shall not be classified as hazardous according to the classification and labeling rules for substance and mixtures.

CLP Classification - other information: Contains Chloramine T, which can effecting allergic reactions.

2.2. Label elements

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS number	EC No	REACH Reg. No.	Concentration	Notes	CLP-classification
iron (II) sulfate	7720-78-7	231-753-5		< 5%		Acute Tox. 4;H302 Skin Irrit. 2;H315 Eye Irrit. 2;H319
Iron oxide	1309-37-1			< 2.5%		
tosylchloramide sodium	127-65-1	204-854-7		< 0.25%		Acute Tox. 4;H302 Skin Corr. 1B;H314 Resp. Sens. 1;H334

Safety Data Sheet

Stalosan F

Please see section 16 for the full text of R-phrases and H-phrases.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:	Keep victim under observation. Call a POISON CENTER or doctor/physician if you feel unwell. Seek medical advice in case of persistent discomfort. Seek fresh air, wash out mouth with water and blow nose thoroughly.
Ingestion:	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips.
Skin contact:	Remove contaminated clothing. Carefully remove as much of the product from the skin as possible, using a cloth. Wash skin thoroughly with soap and lukewarm water and apply skin cream. Seek medical advice in case of eczema. Take off contaminated clothing and wash before reuse.
Eye contact:	Open eye wide, remove any contact lenses and flush immediately with water (preferably using eye wash equipment). Seek medical advice immediately. Continue flushing until medical attention is obtained. Continue to rinse for at least 15 minutes and seek medical attention.
Burns:	Flush with water until pain ceases. Remove clothing that is not stuck to the skin - seek medical advice/transport to hospital. If possible, continue flushing until medical attention is obtained.
General:	When obtaining medical advice, show the safety data sheet or label.

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

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

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media:	The product is not directly flammable. Choose extinguishing agents based on the surrounding fire.
Unsuitable extinguishing media:	Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for fire-fighters

Use compressed air breathing apparatus and protective clothing intended for fire fighting.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:	Wear safety goggles/face protection.
For emergency responders:	Normal protective clothing equivalent to EN 469 is recommended.

6.2. Environmental precautions

Notify proper authorities in case of contamination of soil or aquatic environment or discharge to drains.

6.3. Methods and material for containment and cleaning up

Safety Data Sheet

Stalosan F

Use water mist to bind dust.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

All work must be carried out under well-ventilated conditions. Wash hands before breaks, before using restroom facilities, and at the end of work. Do not eat, drink or smoke during work.

7.2. Conditions for safe storage, including any incompatibilities

Keep in tightly closed original packaging. There are no special requirements for storage. However, it should be stored safe and out of the reach of children.

7.3. Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit: Contains no substances subject to reporting requirements

8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Wear safety goggles if there is a risk of dust contact with eyes.

Personal protective equipment, hand protection: Wear gloves.

Personal protective equipment, skin protection: Wear suitable protective clothing.

Personal protective equipment, respiratory protection: Wear respiratory protective equipment with P2 filter when performing dusty work.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Powder
Colour	Pink
Odour	acidic
Solubility	Poorly soluble
Explosive properties	N/A
Oxidising properties	N/A

Parameter	Value/unit	Remarks
pH (solution for use)	~ 3.5	
pH (concentrate)	No data	

Safety Data Sheet

Stalosan F

Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	No data	
Flash Point	No data	
Evaporation rate	No data	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	No data	
Vapour pressure	No data	
Vapour density	No data	
Relative density	No data	
Partition coefficient n-octanol/water	No data	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
Viscosity	No data	
Odour threshold	No data	

9.2 Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions. Stable at room temperature.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Oxidisers.

10.6. Hazardous decomposition products

None, if stored at the recommended storage conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral: Ingestion may cause discomfort. LD50 oral, rattle: 319 mg/kg body weight (ferro sulphate)
LD50 oral, rattle: > 10000 mg/kg body weight (ferro oxide) LD50 oral, rattle: 935 mg/kg body weight (Chloramine T)

Acute toxicity - dermal: Based on existing data, the classification criteria are deemed not to have been met.

Acute toxicity - inhalation: Based on existing data, the classification criteria are deemed not to have been met.

Skin corrosion/irritation: Can be irritating after prolonged skin contact.

Safety Data Sheet

Stalosan F

Serious eye damage/eye irritation:	May cause eye irritation.
Respiratory sensitisation or skin sensitisation:	Test data are not available.
Germ cell mutagenicity:	Test data are not available.
Carcinogenic properties:	Test data are not available.

SECTION 12: Ecological information

12.1. Toxicity

Ferro sulphate; LC50 Fish 96 h: 1,1-4,8 mg/l; species: salvelinus fontinalis; exposure: 96 h; EC50 Daphnia <140 mg/l; species: Daphnia: 48 h Chloramine T; LC50 Fish 96 h: 1,1-4,8 mg/l; Species: Oncorhynchus mykiss: 96 h; EC50 Daphnia > 0,22 mg/l; species: Daphnia: 48 h

12.2. Persistence and degradability

12.3. Bioaccumulative potential

Test data are not available.

12.4. Mobility in soil

No information available

12.5. Results of PBT and vPvB assessment

No assessment required, as the product contains inorganic matter only.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Uncleansed packaging is to be disposed of via the local waste-removal scheme. Avoid discharge to drain or surface water. Contact the local authorities.

SECTION 14: Transport information

14.1. UN-No.:	Not applicable.	14.4. Packing group:	Not applicable.
14.2. UN proper shipping name:	Not applicable.	14.5. Environmental hazards:	Not applicable.
14.3. Transport hazard class(es):	Not applicable.		

14.6. Special precautions for user

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

SECTION 15: Regulatory information

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

Safety Data Sheet

Stalosan F

Special Provisions: Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 + Commission Regulation (EC) No 790/2009 of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (CLP): This safety data sheet was prepared from information provided by the supplier about physical/chemical properties and all ingredients in the product.

15.2. Chemical Safety Assessment

Other Information: No hazardous product as specified in Directive 67/548. Only for professional use. Chemical safety assessment has not been performed.

SECTION 16: Other information

Abbreviations: vPvB: Very Persistent and Very Bioaccumulative

References to literature and data sources: This safety data sheet was prepared from information provided by the supplier about the product at the time of preparation (e.g. data sheets and the like).

Other Information: Technical product specification. Classification according to Regulation (EC) No. 1272/2008 CLP.

Training advice: No special training is required, but a thorough knowledge of this safety data sheet should be a prerequisite condition.

List of relevant H-statements

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Document language: GB