

# Material Safety Data Sheet according to 91/155/EEC and 2001/58/EC

## 1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation:

### STALOSAN F

**Use of the substance/preparation:** To improve the hygiene in livestock buildings.

**Company/undertaking identification:**

Stormøllen A/S  
Ringsbjergvej 16  
DK-4682 Tureby                      Tel. +45 56 28 34 13  
Denmark                                      Fax +45 56 28 34 64

**Emergency telephone:**

+45 56 28 34 13

## 2. Composition/Information on ingredients

% w/w Name CAS-no. EINECS/ELINCS Classification Note

1-2 Iron sulfate	7720-78-7	231-753-5	Xn;R22 -
< 5 Iron Oxide	1309-37-1	215-168-2	-

Wording of R-phrases -see section 16.

## 3. Hazards identification

The preparation is not to be classified according to EC directive 1999/45/EC.

## 4. First-aid measures

**Inhalation:** -

**Skin contact:** -

**Eye contact:** Flush with water or physiological salt water. Remember to remove contact lenses first.

**Ingestion:** -

**Information:** Show this Safety Data Sheet to a physician or emergency ward.

## 5. Fire-fighting measures

Non combustible powder.

**Suitable extinguishing media:** Not relevant.

**Non suitable extinguishing media:** Not relevant.

**Hazardous combustion or decomposition products:** Not relevant.

**Protective equipment:** Not relevant.

## 6. Accidental release measures

**Personal precautions:** Use personal protective equipment - see point 8.

**Methods for cleaning up/collecting dust when machining:** Sweep up. Further handling of spillage: see point 13.

## 7. Handling and storage

**Safe handling:** See section 8.

**Safe storage:** Keep in a dry place at room temperature.

**Specific use(s):** See section 1.

## 8. Exposure controls/personal protection

**Engineering measures (prevention of worker exposure):** Avoid contact with eyes. There shall be access to water. Wash with water and soap after work.

**Exposure limits: Long-term exposure Short-term exposure:** Iron salts (as Fe): 1 mg/m<sup>3</sup> 2 mg/m<sup>3</sup>

**Personal protective equipment:**

**Respiratory protection:** At dusty work: Use an approved mask with a particle filter type P2 S. The filter has a limited lifetime and must be changed. Read the instruction.

**Skin protection:** -

**Eye protection:** At dusty work: Wear safety goggles.

**Environmental exposure controls:** -

## 9. Physical and chemical properties

**Color:** Pinkish

**Physical State:** powder

**Odour:** Slightly sour

**Oxidation/Reduction:**

Water:	Compatible
10% Monoammonium phosphate:	Compatible
Iron Powder:	Compatible
10% Potassium permanganate:	Compatible
Kerosene:	Compatible

**pH:** 4.62 ± 0.01

**Boiling point (°C):** -

**Melting point (°C):** -

**Flash point (°C):** -

**Density g/ml:**

**Pour density:** 0.683 ± 0.002 g/ml

**Tap density:** 0.911 ± 0.004 g/ml

**Solubility in water:** Slightly soluble

**Evaporation rate:** -

**Partition coefficient n-octanol/water:** -

**10. Stability and reactivity**

**Stability:** Stable

**Conditions to avoid:** -

**Materials to avoid:** -

**Hazardous decomposition products:** -

**11. Toxicological information**

**Routes of exposure:** May be absorbed through inhalation and ingestion.

**Acute toxicity:**

**Inhalation:** *The single exposure acute inhalation LC<sub>50</sub> > 2.07 mg/l (male and female rats).*

**Skin:** *The single dose dermal LD<sub>50</sub> > 5 g/kg body weight (female rats).*

**Eyes:** *Is classified as mildly irritating to the eye.*

**Ingestion:** *Acute oral LD<sub>50</sub> > 5.000 mg/kg body weight (female rats).*

**Dermal sensitization:** *Is not considered to be a contact sensitizer (evaluation: Buehler method).*

**Long term toxicity:** -

**12. Ecological information**

**Ecotoxicity:** The preparation only has a weak toxicity to aquatic organisms and there is no demands for classification:  
*EC<sub>50</sub> (72 hours, algae: Chlorella) > 1600 mg/l*  
*EC<sub>50</sub> (48 hours, daphnia magna) > 1000 mg/l*  
*EC<sub>50</sub> (96 hours, fish: Poecilia reticulata) > 1000 mg/l*

**Mobility:** The product is insoluble in water.

**Persistence and degradability:** -

**Bioaccumulative potential:** -

**Other adverse effects:** -

**13. Disposal considerations**

Disposal should be according to local, state or national legislation. Dispose of through authority facilities or pass to chemical disposal company.

**EWC-Code:** 02 01 08

**14. Transport information**

Not dangerous goods (ADR/RID).

## 15. Regulatory information

**Risk- and Safety-phrases:** ALTox a/s has the 20 October 2005 concluded, that the preparation is not to be classified according to EC directive 1999/45/EC. The conclusion is based on tests of the preparation and not the rules for calculating the classification of a preparation. Safety data sheet available for professional users on request.

**Restriction on application:** -

**Special training:** No special training is required. However, the user should be well instructed in the execution of his task, be familiar with this Safety Data Sheet and have normal training in the use of personal protective equipment.

**National regulations:** -

**Danger symbol:** -

## 16. Other information

**R-phrases mentioned in section 2:**

R 22: Harmful if swallowed

**Edition no.:**

10

**Date (revision)**

12 september 2006

**Changes in section(s)**

2, 4, 6, 8, 9, 16