

# FOSS MATERIAL SAFETY DATA SHEET

Product name: MSc-Flush Concentrate Page: 1/5  
 Last revised date: 2003-09-10 Print date: 2003-09-10  
 P/N-no.: 845800 SDS-ID: US-D/6.0

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product name: MSc-Flush Concentrate  
Application: Cleaning agent for flow system and zero-set for MSc™ Container size: Plastic (PE) bottle: 50 ml  
Supplier: FOSS Electric A/S Emergency phone no.: +45 7010 3370  
 69, Slangerupgade  
 P.O. Box 260  
 DK-3400 Hillerød, Denmark  
 Comp. Reg. Number: 7339 9815  
 Tel.: +45 7010 3370  
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 E-mail: info@foss-electric.dk

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains: inorganic salts and organic salts.

The following substances shall be indicated according to legislation:

%:	CAS-No.:	EC No.:	Chemical name:	Hazard classification:	Notes:
5-15	9036-19-5		Polyethylene glycol octylphenylether	Xn;R22 Xi;R41	
5-15	27323-41-7	248-406-9	Triethanolamine dodecylbenzenesulfonate	Xi;R36/38	

## 3. HAZARDS IDENTIFICATION

The product has been classified according to the legislation in force: R41

Human health: The liquid may irritate the skin. Risk of serious damage to eyes.

Environment: The dangerous properties of the product cannot be evaluated from the available data.

## 4. FIRST-AID MEASURES

Inhalation: Move into fresh air and keep at rest.

Skin contact: Remove contaminated clothing immediately and wash skin with soap and water.

Eye contact: Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Continue flushing during transport to hospital. Bring along these instructions.

Ingestion: Immediately rinse mouth and drink plenty of water. Keep person under observation. If uncomfortable: Seek hospital and bring along these instructions.

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**5. FIRE-FIGHTING MEASURES**

Extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.  
Specific hazards: During fire, health hazardous gases may be formed. Due to the small packaging the risk when inhaling gasses formed in a fire is minimal.

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**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions: Avoid contact with skin and eyes. For personal protection, see point 8.  
Environmental precautions: Do not discharge onto the ground or into water courses.  
Methods for cleaning up: Absorb spillage with absorbing material. For waste disposal, see point 13.

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**7. HANDLING AND STORAGE**

Safe handling advice: Observe good industrial hygiene practices. Avoid contact with skin and eyes.  
Technical measures: Keep the workplace clean.  
Technical precautions: Provide easy access to water supply and eye wash facilities.  
Technical measures for safe storage: No special precautions.  
Storage conditions: Store in tightly closed original container.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Engineering measures: Provide adequate ventilation. An eye wash bottle must be available at the work site.  
Personal protection: Risk of contact: Wear protective gloves and goggles/face shield.  
Environmental exposure controls: No information available.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: clear liquid  
Odour: odourless  
pH: ca. 8 (1% solution)  
Boiling point: >100°C  
Flash point: not relevant  
Explosive properties: not available  
Vapour pressure: not available  
Relative density: 1.01  
Solubility: Miscible with water.

**10. STABILITY AND REACTIVITY**

Stability: Stable under the prescribed storage conditions.

Conditions/  
materials to avoid: Not available.

Hazardous  
decomposition products: None under normal conditions.

**11. TOXICOLOGICAL INFORMATION**

Inhalation: Not relevant at normal room temperatures. When heated, irritating vapours may be formed.

Skin contact: Degreasing. Prolonged contact may cause redness and irritation.

Eye contact: Strongly irritating. Risk of serious damage to eyes.

Ingestion: May irritate and cause stomach pain, vomiting and diarrhoea.

Specific effects: None known.  
This product contains no ingredient listed on the NTP, OSHA or IARC carcinogen lists.

**12. ECOLOGICAL INFORMATION**

Mobility: The product is miscible with water. May spread in water systems.

Degradability: Polyethylene glycol octylphenylether: DOC-removal: 90% (OECD 301E). CO<sub>2</sub>-development: 70% of theoretical CO<sub>2</sub> (modified Sturm).

Ecotoxicity: LC50 (Fathead minnow): 8.9 mg/l/96 hours for polyethylene glycol octylphenylether.

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**13. DISPOSAL CONSIDERATIONS**

Dispose of waste and residues according to agreement with local authorities. Waste should be considered as dangerous waste.

Waste from residues: EWC-code: 20 01 29

Empty packaging: EWC-code: 15 01 02

**14. TRANSPORT INFORMATION**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**15. REGULATORY INFORMATION**

Labelling:



- R41 Risk of serious damage to eyes.
- S25 Avoid contact with eyes.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S39 Wear eye/face protection.
- S60 This material and its container must be disposed of as hazardous waste.

Specific provisions: National specific regulation may apply.

National regulation: Europe/USA:

This Safety Data Sheet has been prepared according to the EU-regulation.

The following lists and legislation have been checked:  
 Directives 67/548/EEC on dangerous substances (up to and inclusive of the 28th adaptation) and 1999/45/EC on dangerous preparations.  
 Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.  
 Threshold Limit Values (2003), ACGIH, by the American Conference on Governmental Industrial Hygienists.  
 The Code of Federal Regulation, Title 29, part 1910. Occupational Safety and Health Standards, Air contaminants.  
 U.S. Department of health and human services: 2002 - Report on Carcinogens - 10th Ed.  
 International Agency for Research on Cancer (IARC): IARC Monographs on the Evaluation of Carcinogenic Risks to Humans. Lyon: IARC, World Health Organization, 1972-2000.

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**16. OTHER INFORMATION**

According to the EU-regulation, the working solution is not classified.

As a main rule, persons under 18 years of age are not allowed to work with this product. The user must be instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions.

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

The following sections contain revisions or new statements: 1 and 15.

**Wording of Risk Phrases:**

R22	Harmful if swallowed.
R36/38	Irritating to eyes and skin.
R41	Risk of serious damage to eyes.

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The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

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