

SAFETY DATA SHEET

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FREEFILM

Revision 2
Revision date 17-Apr-2009

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name Freefilm
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
Sodium hydroxide	1-10%	1310-73-2	215-185-5	C; R35
TRISODIUM NITROLOTRIACETATE	1-10%	5064-31-3	225-768-6	Xn;R22 Xi;R36
ALCOHOL ETHOXYLATE	1-10%	68439-45-2		Xn;R22 Xi;R36 Xi;R38
WATER	80-90%			
TETRA POTASSIUM PYROPHOSPHATE	0.5-1%	7320-34-5	230-785-7	
SODIUM METASILICATE PENTA HYDRATE	1-10%	6834-92-0	229-92-9	C;R34/41
LAURYL BETAINE	0-0.5%	66455-29-6	266-368-1	Xi;R38 Xi;R41
DYE	0-0.5%			
D-Glucopyranose, Oligomeric, Decyl, Octyl, Glycoside	0-0.5%			Xi;R41
1-Propanaminium, 3 Amino-N(carboxymethyl)N,N.Dimethyl N Coco acyl dervis inner salts	0-0.5%			Xi; R36
Ethylene glycol monobutyl ether (2-Butoxyethanol)	0-0.5%	111-76-2	203-905-0	Xn; R20/21/22 Xi; R36/38
Mono ethylene glycol (Ethane-1,2-diol vapour)	0-0.5%	107-21-1	203-473-3	Xn; R22

3. HAZARDS IDENTIFICATION

Main hazards Irritating to eyes and skin.

4. FIRST AID MEASURES

Skin contact Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

Eye contact Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

Inhalation Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.

Ingestion Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

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5. FIRE FIGHTING MEASURES

Extinguishing media	Carbon dioxide (CO ₂)
Fire hazards	Burning produces irritating, toxic and obnoxious fumes.
Protective equipment	Wear suitable respiratory equipment when necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
Environmental precautions	Do not allow product to enter drains. Prevent further spillage if safe.
Clean up methods	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

7. HANDLING AND STORAGE

Handling	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
Storage	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Sodium hydroxide	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m ³ : - WEL 15 min limit mg/m ³ : 2
Ethylene glycol monobutyl ether (2-Butoxyethanol)	WEL 8-hr limit ppm: 25 WEL 15 min limit ppm: 50	WEL 8-hr limit mg/m ³ : - WEL 15 min limit mg/m ³ : -
Mono ethylene glycol (Ethane-1,2-diol vapour)	WEL 8-hr limit ppm: 20 WEL 15 min limit ppm: 40	WEL 8-hr limit mg/m ³ : 52 WEL 15 min limit mg/m ³ : 104
Mono ethylene glycol (Ethane-1,2-diol particulate)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m ³ : 10 WEL 15 min limit mg/m ³ : -

Engineering measures	Ensure adequate ventilation of the working area.
Respiratory protection	Wear: Suitable respiratory equipment.
Hand protection	Chemical resistant gloves (PVC)
Eye protection	Approved safety goggles.
Protective equipment	Wear chemical protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Liquid.
Colour	Green.
Odour	Characteristic.
pH	13.5 NOMINAL
Boiling point	100°C
Relative density	1.06 NOMINAL
Water solubility	slightly soluble in water.

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
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11. TOXICOLOGICAL INFORMATION

Corrosivity	Irritating to eyes and skin. May cause degreasing of the skin.
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12. ECOLOGICAL INFORMATION

Degradability Inorganic materials are inherently not biodegradable however those present in this formulation/product are either of no known significant environmental hazard or are readily neutralised to form inert salts.

13. DISPOSAL CONSIDERATIONS

General information Dispose of in compliance with all local and national regulations.

14. TRANSPORT INFORMATION

Further information The product is not classified as dangerous for carriage.

15. REGULATORY INFORMATION

Labelling The product is classified in accordance with 67/548/EEC. CONTAINS SODIUM HYDROXIDE < 2%.

Symbols Xi - Irritant



Risk phrases R36/38 - Irritating to eyes and skin.

Safety phrases S1/2 - Keep locked up and out of the reach of children.
 S24/25 - Avoid contact with skin and eyes.
 S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S36 - Wear suitable protective clothing.
 S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

16. OTHER INFORMATION

Text of risk phrases in Section 2 R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.
 R22 - Harmful if swallowed.
 R35 - Causes severe burns.
 R36 - Irritating to eyes.
 R36/38 - Irritating to eyes and skin.
 R38 - Irritating to skin.
 R41 - Risk of serious damage to eyes.

Further information The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

Revision This document differs from the previous version in the following areas:
 9 - colour.

Labelling for contents Non-ionic surfactants. 0 - < 5%
 Phosphates. 0 - < 5%