



SAFETY DATA SHEET

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HSC 12.

Revision 1
Revision date 28-Jan-2008

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name HSC 12.
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
2-Butoxyethanol	1-10%	111-76-2	203-905-0	Xn; R20/21/22 Xi; R36/38
Sodium hydroxide	0.5-1%	1310-73-2	215-185-5	C; R35
Potassium Silicate	1-10%	1312-76-1	215-199-1	Xi; R36 Xi; R38
Fatty alcohol ethoxylate	1-10%	NONE	NONE	Xn; R22 Xi; R36/38

3. HAZARDS IDENTIFICATION

Main hazards Irritating to eyes and skin.
Other 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.

5. FIRE FIGHTING MEASURES

Extinguishing media Carbon oxides.
Fire hazards Burning produces irritating, toxic and obnoxious fumes.
Protective equipment Wear suitable respiratory equipment when necessary.

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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

2-Butoxyethanol	WEL 8-hr limit ppm: 25 WEL 15 min limit ppm: 50	WEL 8-hr limit mg/m3: - WEL 15 min limit mg/m3: -
Sodium hydroxide	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m3: - WEL 15 min limit mg/m3: 2

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	Clear.
pH	14
Flammability limits	Non Flammable
Relative density	1.025

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Materials to avoid	Acids.
Hazardous decomposition products	Burning produces irritating, toxic and obnoxious fumes.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Irritating to eyes, respiratory system and skin.
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12. ECOLOGICAL INFORMATION

Ecotoxicity	Toxicity to aquatic life is expected to be low.
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13. DISPOSAL CONSIDERATIONS

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

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

Labelling The product is classified in accordance with 67/548/EEC.

Symbols Xi - Irritant



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

Safety phrases S2 - Keep out of the reach of children.
S24/25 - Avoid contact with skin and eyes.

16. OTHER INFORMATION

Text of risk phrases in R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.

Section 2 R22 - Harmful if swallowed.
R35 - Causes severe burns.
R36 - Irritating to eyes.
R36/38 - Irritating to eyes and skin.
R38 - Irritating to skin.

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.