

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name: **Stamina**
Chemical Name: Alkoxyated fatty amine polymer
Approved Use: Wetting agent
Supplier: Barclay Chemicals Manufacturing Ltd.,
 Damastown Way
 Damastown Industrial Park
 Mulhuddart
 Dublin 15
 Ireland.
Telephone No: 00-353-1-8112900
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Issued By: Barclay Chemicals Ltd.

EMERGENCY TELEPHONE NUMBER: 00-353-1-8112900 (9am to 5pm)
00-353-863857769 (5pm to 9am)

2. COMPOSITION/INFORMATION ON INGREDIENTS

No.	Name
1.	Alkoxyated fatty amine polymer
2.	Other Ingredients

No	R Phrases	Concentration	Classification
1.	R22, R38, R50, R53	100%	Xn, Xi,N
2.	---	---	---

Legend: Tx = Very Toxic, C = Corrosive, Xn = Harmful, Xi = Irritant, Ik = No Classification Required, E = Explosive,
 O = Oxidising, Fx = Extremely Flammable, F = Very Flammable, Fo = Flammable, N = Dang. To the
 Environment, M = Genotoxic, A = Sensitizing, K = Carcinogenic, R = Causes birth defects, H = skin absorption

3. HAZARDS IDENTIFICATION

Swallowing May cause abdominal discomfort, nausea, vomiting and diarrhoea.
Skin contrast May cause slight irritation with itching and local redness.
Environment Dangerous for the environment. Very toxic to aquatic organisms. May cause long term effects in the aquatic environment

4. FIRST-AID MEASURES

General:	In all cases of doubt, or when symptoms persist, seek medical attention.
Inhalation:	Remove to fresh air. If breathing is difficult give oxygen. Obtain medical attention immediately.
Skin Contact:	Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Launder clothes before reuse.
Eye Contact:	Rinse thoroughly with plenty of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical advice if irritation persists.
Ingestion:	If patient is fully conscious, give two glasses of water. Obtain medical attention.
Note to physician:	Note to Physician If this substance has been swallowed, perform gastric lavage.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Treat as an oil fire. Extinguishing media: Water mist (May be ineffective unless used by experienced fire-fighters) Foam Dry chemical powder or carbon dioxide.
Hazardous Combustion Products:	Carbon dioxide, carbon monoxide
Special Exposure Hazards:	Non-flammable. If involved in a fire it will support combustion.
Protective Equipment:	Wear suitable protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear suitable protective clothing.
Environmental Precautions:	Expected to be toxic to aquatic life. Avoid discharge to natural waters. Dispose this material and it's container at hazardous or special waste collection points.
Methods for Cleaning Up:	Contain spill with inert material. Absorb in vermiculite, dry sand or earth. Place in a container for disposal according to local regulations.
Other information:	For personnel protection see Section 8

7. HANDLING AND STORAGE

Handling:	Avoid contact with skin and clothing. When using do not eat, smoke or drink Do not swallow. Use with adequate ventilation.
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Storage:	Wash thoroughly after handling. Keep in the original container, tightly closed, out of the reach of children.
Fire and explosion prevention:	Keep away from food, drink and animal feeding stuffs.
Other information:	No specific recommendations To maintain quality, store at ambient temperatures and prevent form freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls	The usual precautionary measures for handling chemicals should be observed. Provide eyewash station.
Ventilation:	Use in well ventilated area.
Protective gloves:	Wear Neoprene or nitrile gloves or gauntlets
Eye protection:	Wear goggles with side protection or faceshield.
Exposure limits:	No exposure limits have been established.
Other protective equipment:	Eye bath and safety shower. Chemical apron.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light brown free flowing granules
Odour:	None
Ph value:	6-10 (100 g/l water)
Boiling point/ range:	>300 ° C
Flash point:	>100 ° C
Flammability:	Non applicable
Explosive properties:	None known
Vapour pressure:	< 100 Pa (345 ° C)
Density:	999 kg / m ³ (20 °C)
Solubility in water:	Soluble/ dispersible

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable. No decomposition if stored and handled properly.
Conditions to Avoid:	Extremes of temperature.
Materials to Avoid:	Normally unreactive; however, avoid strong bases, strong acids and strong oxidizing agents
Hazardous Decomposition Products:	No specific hazardous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Skin Irritation:	Irritant.
Eye Irritation:	Non irritant.



Acute Toxicity: Harmful if swallowed.

12. ECOLOGICAL INFORMATION

Degradability Ultimately biodegradable
Ecotoxicity: Very toxic to aquatic organisms.
May cause long-term effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Disposal methods: Incineration is recommended. Dispose of in accordance with local authority requirements
Waste category: Hazardous waste in accordance with the Council Directive 91/689/EEC OF 12 December 1991 on hazardous waste.

14. TRANSPORT INFORMATION

Special Transport Precautions: UN 3082, PG III
Road/Rail Classification: ADR/RID Class: 9
Haz ID: 90
Proper shipping name: Environmentally hazardous substance, solid, N.O.S. (contains alkoxylyed fatty amine).
Sea Classification: IMDG Class: 9
Proper shipping name: Environmentally hazardous substance, solid, N.O.S. (contains alkoxylyed fatty amine).
Air Classification: ICAO/IATA Class: 9
Proper shipping name: Environmentally hazardous substance, solid, N.O.S. (contains alkoxylyed fatty amine).

15. REGULATORY INFORMATION

	Xn	Xi	N
Hazard Symbol :	Xn – Harmful	Xi - Irritant	N - Dangerous for the Environment

R- PHRASES:

R22 - Harmful if swallowed
R38 - Irritating to skin
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S- PHRASES:

- S2** - Keep out of the reach of children
- S13** - Keep away from food, drink and animal feedingstuffs
- S20/21** - When using do not eat, smoke or drink.
- 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
- S37/39** - Wear suitable gloves and eye/face protection
- S44** - If you feel unwell, seek medical advice (show the label where possible)
- S46** - If swallowed, seek medical advice immediately and show this container or label
- S49** - Keep only in the original container
- S61** - Avoid release to the environment. Refer to safety data sheets

EINECS The ingredients of this product are on the EINECS inventory
TSCA The ingredients of this product are on the TSCA inventory

16. OTHER INFORMATION

Revision 1 Date Prepared: 13/02/2007

DISCLAIMER

The information in the MSDS relates to this specific material. If the product is used as a component in any other product, this MSDS may not be valid. The information contained was obtained from sources which we believe are reliable. The information is provided without any warranty, expressed or implied, regarding its correctness.

This Material Safety Data Sheet was prepared according to Directive 2001/58/EC.