

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Scuba
Chemical Name: Polyalkyleneoxide Modified Heptamethyltrisiloxane preparation
Approved Use: Horticultural wetting and spreading agent.
Supplier: Barclay Chemicals Manufacturing Ltd.,
 Damastown Way
 Damastown Industrial Park
 Mulhuddart
 Dublin 15
 Ireland.
Telephone No: 00-353-1-8112900
Fax No: 00-353-1-822 4678
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.	Polyalkyleneoxide Modified Heptamethyltrisiloxane
2.	Other Ingredients

No	R Phrases	Concentration	Classification
1.	R20,R48/20,R36,R51/53	21%	Xn, 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

Harmful by inhalation.

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Irritating to eyes.

Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

4. FIRST-AID MEASURES

General inhalation:	In all cases of doubt, or when symptoms persist, seek medical attention. Remove to fresh air if aerosol spray is inhaled. If breathing difficult, administer oxygen. Obtain medical attention immediately.
Eye Contact:	Immediately rinse eyes with water and continue washing for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Obtain medical attention immediately.
Ingestion:	If patient is fully conscious, drink a few glasses of water or milk. Obtain medical attention immediately.
SkinContact:	Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. If irritation persists or if contact has been prolonged, obtain medical attention. Launder clothes before reuse.
Note to physician:	There is no specific antidote. Treatment of overexposure should be directed as the control of symptoms and the clinical condition of the patient.

5. FIRE-FIGHTING MEASURES

Extinguishing Media:	For large fires, either apply alcohol type or universal type foams according to manufacturer recommendations.
Special fire fighting procedures:	Do not direct a solid stream of water or foam into hot, burning pools as this may cause frothing and increase fire intensity.
Special exposure hazards	Not flammable. If involved in a fire it will support combustion.
Protective Equipment:	Use self-contained breathing apparatus when fighting fires in enclosed areas, and wear suitable protective clothing.
Hazardous decomposition/ combustion products:	Carbon dioxide, Carbon monoxide, Oxides of silicon.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Avoid contact with liquid and vapours.
Environmental precautions:	Expected to be toxic to aquatic life. Avoid discharge to natural waters. Dispose of 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 container for disposal according to local regulations.
Other information:	For personal protection see section 8.

7. HANDLING AND STORAGE

Handling:	Avoid contact with eyes, skin and clothing. Don not breath vapour, mist or aerosol. When using don not eat, smoke or drink. Use with adequate ventilation. Wash thoroughly after handling.
Storage requirements:	Store in a secure, dry, well ventilated facility. Keep away from heat and flame. Keep in the original container, tightly closed, out of the reach of children. Keep away from food, drink and animal feeding stuffs.
Fire and explosion prevention:	No specific recommendations
Ventilation:	A well ventilated room is satisfactory for normal handling and storage operations. However, special local ventilation is needed at points where vapours can be expected to escape to the workplace air.
Other information:	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. The undiluted product must not be used in a small space without good ventilation. Provide eyewash solution.
Ventilation:	Use in a well ventilated area.
Respirators:	None expected to be needed when used as an aqueous spray.
Protective gloves:	Wear Neoprene or nitrile gloves or gauntlets.
Eye protection:	Wear goggles with side protection or face-shield.
Exposure limits:	No exposure limits have been established.
Other protective equipment:	Eye bath and safety shower. Chemical apron.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Transparent pale straw-coloured liquid
Specific gravity:	1.026 @ + 25° C
Odour:	Mild polyether
Boiling point/ range:	> 150 ° C
Freezing point:	-10° C (pour point)
Solubility in water:	Dispersible
Flash point:	> 100° C
Flammability:	Not applicable.

10. STABILITY AND REACTIVITY



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, strong oxidising agents and materials reactive with hydroxyl compounds
Hazardous decomposition products: Burning can produce the following combustion products: Carbon dioxide, carbon monoxide, oxides of silicon.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity: Very low order of toxicity.
Dermal: Very low order of toxicity.
Inhalation: Harmful effects are not expected from static vapour at ambient temperature. Inhalation of an aerosol of the neat material within a confined space could result in respiratory distress and eye injury.
Skin contact: No irritation.
Sensitisation: Not a sensitiser.
Eye contact: Severe irritation

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

Disposal methods: Incineration is recommended. Dispose of in accordance with local authority requirements.

14. TRANSPORT INFORMATION

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s (contains Polyalkyleneoxide Modified Heptamethyltrisiloxane)

Land Transport:

UN Number:	3082	RID Class:	9
ADR Class:	9	RID packing group:	III



ADR Packing group: III
CEFIC number: 90GM6-111

Classification code: M6

Sea Transport (IMDG)

This product is not regulated by IMDG.

Air Transport (ICAO)

This product is not regulated by ICAO.

15. REGULATORY INFORMATION

Symbols:

Xn Harmful
Xi Irritant
N Dangerous for the environment.

R- PHRASES:

R20: Harmful by inhalation

R48/20: Harmful : danger of serious damage to health by prolonged exposure through inhalation.

R41: Risk of serious damage to eyes.

R51: Toxic to aquatic organisms

R53: 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 foodstuffs.

S20/21: When using, do not eat drink or smoke.

S23: Do not breathe spray.

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.

S36/37: Wear suitable protective clothing and suitable gloves

S39: Wear eye/face protection.

S49: Keep only in the original container.



S51: Use only in well-ventilated areas

S61: Avoid release to the environment. Refer to safety data sheets.

16. OTHER INFORMATION

Revision 1 Date Prepared: 22/02/2007

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.