

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Assist
Chemical Name: Phosphonate Preparation
Supplier: Barclay Chemicals Manufacturing Ltd.,
Damastown Way
Damastown Industrial Park
Mulhuddart
Dublin 15
Telephone No: 01 811 2900
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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.	Phosphonate

No.	EC No.	CAS No.	R Phrases	Concentration	Classification
1.	---	---	R36/38	1-5%	Xi

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

Human: Non Hazardous.
Environment: Non Hazardous.

4. FIRST-AID MEASURES

General:	In all cases of doubt, or when symptoms persist, seek medical attention
Inhalation:	May cause dizziness or headache. Move to fresh air. Seek medical advice if circumstances warrant.
Skin Contact:	Remove contaminated clothing immediately. Wash underlying skin with soap and plenty of water. Seek medical advice if symptoms appears.
Eye Contact: Assist 2	Rinse immediately with plenty of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical attention.
Ingestion:	If patient is fully conscious, drink a few glasses of milk or water. Obtain medical attention.
Notes to physician:	There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Water mist, foam, carbon dioxide or dry chemical powder.
Unsuitable Extinguishing Media:	Waterjet
Special Exposure Hazards:	Non flammable. If involved in a fire, it will support combustion.
Protective Equipment:	Wear suitable protective clothing
Hazardous decomposition/combustion products:	Oxides of carbon may be emitted
Other information:	Water spray may be ineffective unless used by experienced fire fighters

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear suitable protective clothing. Turn leaking containers leak-side up to prevent the escape of liquid.
Environmental Precautions:	Avoid discharge to natural waters.
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.
Fire and explosion prevention:	No specific recommendations
Storage requirements:	Store in original container, tightly closed, out of the reach of children. Keep away from food, drink and animal feeding stuffs.
Other information:	To maintain quality, store at ambient temperatures (between 5° C and 35°C), and protect from freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Precautions:

The usual precautionary measures for handling chemicals should be observed
Use in well ventilated areas.
No exposure limits have been established.

Protective Clothing:

Respiratory Protection: No respirators are expected to be needed.
Eye Protection: Wear goggles with side protection or faceshield.
Hand Protection: Wear Neoprene or nitrile gloves or gauntlets.
If there is a risk of severe splashing, wear waterproof overalls.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colourless liquid
Odour:	Odourless
pH:	45.0-6.0
Boiling Point/Boiling Range:	Approximately 100°C
Flash Point:	Not applicable
Flammability:	Not applicable
Explosive Properties:	None.
Viscosity:	Non-viscous
Auto-ignition temperature:	Not applicable
Relative Density:	1.206 g/cm ³ @ 20.0 °C
Solubility (water and fat):	Miscible in all proportions in water.
Oxidising properties	None known

10. STABILITY AND REACTIVITY

Conditions to Avoid:	Extremes of temperature(e.g. heat, fire and ignition sources)
Materials to Avoid:	Normally unreactive; however, avoid strong bases, strong acids and strong oxidising agents.
Hazardous Decomposition Products:	Upon combustion, oxides of carbon may be emitted.
Stability:	Stable. No decomposition if stored and handled properly

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	Low order of toxicity.
Irritation:	Non irritating to eyes. Non irritating to skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Low order of toxicity
Degradability: Ultimately biodegradable.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

Not classified as hazardous for transport

15. REGULATORY INFORMATION

R- PHRASES

None

S- PHRASES

- S2** - Keep out of reach of children.
- S7** - Keep container tightly closed
- S13** - Keep away from food, drink and animal feeding stuffs.
- S20/21** - When using, do not eat, drink or smoke.
- S23:** - Do not breath spray
- S36/37** - Wear suitable protective clothing and gloves
- S39** - Wear eye/face protection.
- S49** - Keep in original container, tightly closed in a safe place.

16. OTHER INFORMATION

Version: 1

Prepared: 20/06/07

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

