

DATA SHEET / *Surface Retarder*

1 PRODUCT DETAILS 1.1 Trade Name 1.2 Chemical Type 1.3 Chemical Abstract No 1.4 UN No 1.5 FEMA No	Surface Retarder A blend of polymers Not Applicable Not Applicable Not Applicable
2 PRODUCT COMPOSITION 2.1 Hazardous Components	None
3 HAZARDOUS IDENTIFICATION 3.1 Main Hazard 3.2 Eye Effects 3.3 Health Effects – Skin 3.4 Health Effects - Skin Absorption 3.5 Health Effects – Ingestion 3.6 Health Effects – Inhalation	Eye and skin exposure Can cause moderate to severe irritation. Can cause mild irritation and defatting on prolonged contact Can cause mild irritation and dryness on prolonged contact Can cause mild to severe irritation to trachea and stomach lining Can cause mild dizziness on prolonged contact
4 FIRST AID MEASURES 4.1 Eye Contact 4.2 Skin Contact 4.3 Ingestion 4.4 Excessive Inhalation	Irrigate immediately and copiously with water for at least 15 minutes. If irritation persists, or any sign of tissue damage is apparent, obtain medical advice immediately. Remove contaminated clothing and launder before re-use. Wash skin with large volumes of water (or soap and water). If irritation persists, or any sign of tissue damage is apparent, obtain medical advice immediately. Rinse mouth with water. Do not induce vomiting. Give up to 300 ml (one glass) of water. Obtain medical advice immediately. No irritating fumes are produced at normal temperatures. If affected, remove the affected individual to fresh air. Keep at rest in the most comfortable position.
5 FIRE FIGHTING MEASURES 5.1 Extinguishing Media 5.2 Special Hazards 5.3 Protective Clothing	Non-flammable as supplied, Use water, foam, CO2 or dry chemical to extinguish fire. Unknown Fire fighters should wear self-contained breathing apparatus and full protective clothing



6 ACCIDENTAL RELEASE MEASURES	Handle spilt material in accordance with the recommendations in Section 7. Inhalation of high odour materials may cause discomfort and/or nausea and should be avoided by providing good ventilation during containment and disposal. Remove ignition sources and provide adequate ventilation. Soak up large spills with absorbent earth or sand and do not discharge into lakes or streams. Small spills can be diluted with water and flushed to drain. Not considered hazardous waste.
7 HANDLING & STORAGE	All materials should be handled according to the principles of Good Manufacturing Practice. Avoid ingestion and inhalation of the neat material. Establish handling and personal washing routines to minimise personal exposure to the product. Store at ambient temperature in full, tightly sealed containers protected from light and heat. Reacts with acids and alkalis, keep away from any acidic or alkaline material and ensure adequate air circulation and fume extraction in storage and working areas.
8 EXPOSURE CONTROLS/PERSONAL PROTECTION 8.1 Occupational Exposure Limits 8.2 Engineering Control Limit 8.3 Personal Protection – Respiratory 8.4 Personal Protection – Hand 8.5 Personal Protection – Eye 8.6 Personal Protection – Skin	Unknown Store and use in well ventilated area Not normally required when handling at ambient temperatures Wear PVC gloves Minimum protection, e.g. safety glasses are recommended Overalls are usually sufficient
9 CHEMICAL AND PHYSICAL PROPERTIES 9.1 Appearance 9.2 Odour 9.3 pH 9.4 Change of Physical State - Boiling Point - Melting Point 9.5 Flash Point 9.6 Flammability 9.7 Auto-flammability 9.8 Explosive Properties 9.9 Oxidising Properties 9.10 Vapour Pressure 9.11 Density 9.12 Solubility/Miscibility in Water	Clear slightly viscous green coloured liquid Characteristic Approx 9.0 Unknown, >100 deg C Unknown Not Applicable See 9.5 Non flammable Unknown No Unknown Approx. 1.03 Complete

10 STABILITY AND REACTIVITY 10.1 Conditions to Avoid 10.2 Incompatible Materials 10.3 Thermal Decomposition Products	High temperatures. Acidic and alkaline materials After evaporation of water, combustion will generate COx, NOx and NHx.
11 TOXICOLOGICAL INFORMATION	No information found
12 ECOLOGICAL INFORMATION	No information found
13 DISPOSAL CONSIDERATIONS	Comply with local regulations for waste disposal. Empty liquid containers should be washed thoroughly with detergent before being sent for re-conditioning or disposal. The washings should be treated as trade effluent or waste as appropriate.
14 TRANSPORT INFORMATION 14.1 UN No 14.2 IMDG - Packaging Group 14.3 IATA - Shipping name 14.4 IATA – Class 14.5 IATA - Subsidiary Risk (s)	Detergent liquid.
15 REGULATORY INFORMATION 15.1 EEC Hazard Classification 15.2 National Legislation	None Occupational Health and Safety Act, Act 85 of 1993 Regulations for hazardous chemical substances

