

ALFA CHANNEL®



MATERIAL SAFETY DATA SHEET



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Alfa Channel Polymer Concrete Channels

Attn: Safety Director

May 27, 2004

Conforms to requirements with the Federal OSHA Hazard Communications Standard 29

SECTION I - PRODUCT IDENTIFICATION

Product Names:	PolyDyn, Poly/champion, Poly Drain, Alfa Channel
General or Generic ID:	Pre-cast Polymer Concrete Products
Vendor Name and Address:	MultiDrain Systems, Inc. 1405 Industrial Drive Statesville, NC 28625

SECTION II - HAZARDS COMPONENTS

INGREDIENTS

Natural Aggregates	Unsaturated Polyester Resin
Silica Rock Flour	Vinyl Ester Resin

SECTION III - PHYSICAL DATA

Polymer concrete is a mixture of natural or manufactured aggregates and a thermo set plastic. As a solid, boiling point, vapor pressure, vapor density, melting point and evaporation rate are not applicable. Polymer Concrete is not soluble in water. It has no distinguishing odor unless it is being sawed, in which case there may be an odor of burning plastic

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point:	N/A*
Flammable Limits:	N/A*
Extinguishing Media:	Water, water fog, foam, dry chemical or carbon dioxide
Special Fire Fighting Procedures:	Material will not burn unless pre-heated. Do not enter confined fire space without full protective gear including A positive pressure, NIOSH approved, self-contained breathing apparatus.
Unusual Fire or Explosion Hazard Procedures:	None known.

SECTION V - REACTIVITY DATA

Stability:	Stable
Hazardous Polymerization:	Will not occur.
Incompatibility:	None known
Hazardous Decomposition Products:	Thermal decomposition products are highly dependent on on combustion conditions. A complex mixture of airborne Solid, liquid, particulates and gases will evolve if this material undergoes pyrolysis or combustion. Carbon monoxide and other unidentified organic compounds may

SECTION IV - HEALTH HAZARD DATA

Route Entry:	Inhalation
Health Hazards (Chronic):	This product may produce nuisance dust or respiratory free silica when it is ground or cut with a dry abrasive saw. Reference ACGIG Appendix D and OSHA table Z-3 for TLV-TWA's.
Carcinogenicity:	No carcinogenic effects known.
Sign and Symptoms of Exposure:	Repeated and prolonged exposure to dusts containing respirable silica may cause delayed injury to the lungs (silicosis).
Medical Conditions Generally Aggravated by Exposure:	None Known

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Polymer concrete is a non-toxic solid and requires no special procedures

Waste Disposal Method:	Polymer concrete may be disposed of by land filling According to local laws and ordinances.
Precautions to be taken in handling and storage:	None required

SECTION VIII - CONTROL MEASURES

Respiratory Protection:	Use NIOSH approved dust mask respirator for prolonged grinding or cutting if dusty conditions exist.
Ventilation:	Use sufficient local exhaust to reduce the dust to PEI for respirable silica when grinding or dry sawing.
Protective Gloves:	Not required
Eye Protection:	Wear safety glasses to protect eyes from dust particles.
This MSDS was prepared on 5/27/04 - J. Guthrie	Manager, Material Safety

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This MSDS was prepared on 5/27/04 by J. Guthrie, Manager, Material Safety.

FORMULATIONS

ABT offers two compositional formulas for Alfa Channels, depending on the effluent and chemical environment. Both offer superior strength and durability as well as marked cost advantages over alternative materials.

Standard Alfa Channel is manufactured from PolyDyn®, an advanced formulation of selected quartz aggregates and inert mineral fillers bonded together in a high-grade polyester resin. This formulation is suitable for use in both exterior and interior applications.

When a higher level of chemical resistance is required, ABT, Inc. / MultiDrain Systems, Inc. offers Alfa Channel in a special formulation called PolyChampion®, which has the same quartz and mineral fillers as PolyDyn formulation, but with a premium grade vinyl ester resin binder. This formulation will withstand a broader range of corrosive salts, fuels, acids and alkalis.



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