



MATERIAL SAFETY DATA SHEET

SECTION I – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: GFRPC (Glass Fiber Reinforced Polymer Concrete)

TRADE NAME: Dura-Trench DTFR

PRODUCT DESCRIPTION: Glass fiber reinforced polymer concrete

CAS NUMBER: Not Applicable

PREPARATION DATE: 6/9/2016

MANUFACTURER INFORMATION: Eric'sons
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Dallas, GA 30132
770-505-6575

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SECTION II – COMPOSITION / INFORMATION ON INGREDIENTS

Dura-Trench drainage products are composed of glass fibers, fire retardants, aggregates, pigments, ceramics, and other additives that are embedded in a cured unsaturated polyester resin. These drainage products are considered as “articles” as defined in OSHA Hazard Communication standard in 29 CFR 1910.1200(c) and are not considered hazardous under normal use.

Fabrication, machining, sanding, etc. may produce dust, which should be controlled subject to the OSHA standards for particulate exposure as indicated below:

CHEMICAL COMPONENT	OSHA PEL's	ACGIH TLV's
Particulate	TWA: 15 mg/m3 (total dust)	TWA: 5.0 mg/m3 (inhalable fraction)
	TWA: 5.0 mg/m3 (respirable fraction)	TWA: 1 fiber/cm3 (respirable fraction)

SECTION III – HEALTH HAZARDS

ROUTE OF ENTRY: Skin Contact [X] Skin absorption [] Eye Contact [X]
Inhalation [X] Ingestion []

EFFECTS OF ACUTE EXPOSURE:



Inhalation:	Not considered a problem under normal use. Dust generated during machining can cause short-term irritation of the mouth, nose, throat, or upper respiratory tract.
Eye Contact:	Not considered a problem under normal use. Contact with dust generated during machining can cause short-term irritation.
Skin Contact:	Not considered a problem under normal use. Contact with dust generated during machining can cause skin irritation.
Skin Absorption:	Not likely to occur
Ingestion:	Rinse mouth with water. Get medical attention if irritation persists.

SECTION V – FIRE OR EXPLOSION HAZARDS

Extinguishing media:	Self-extinguishing or Water, carbon dioxide, dry chemical, chemical foam
Hazardous combustion products:	Trench exposed to fire may liberate oxides of nitrogen, carbon, and hydrocarbons and aluminum oxide.
Special firefighting procedures:	Firefighters should use appropriate personal protective equipment including self-contained breathing apparatus.
Flash point & method of determination:	Material is classified as nonflammable
Upper flammable limit:	Not applicable
Lower flammable limit:	Not applicable
Auto-ignition temperature:	Typically >800° F
Explosion hazards:	Finely divided airborne dust from machining could produce class 1 dusts. Follow NFPA guides for fire safety practices.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of a leak or spill:	Considered a solid waste; not toxic by TCLP guidelines
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SECTION VII – HANDLING AND STORAGE:

Precautions to be taken in Handling/Storage:	Store such to avoid excess heat.
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SECTION VIII – EXPOSURE CONTROL / PERSONAL PROTECTION:

Hand protection:	Gloves should be worn to prevent contact with rough edges and protruding glass fibers, and dusts from machining activities.
Eye protection:	Safety glasses or goggles are recommended when machining this material.
Respiratory protection:	None should be required during normal operations. When dust is generated, a NIOSH approved mask may be used when exposure levels to dust have the potential to be above regulated values.



Body protection:

No special precautions are required. If exposed to dust wear normal work clothing covering arms and legs. Wash with soap and water to remove any material from the skin.

Foot protection:

Safety shoes are recommended when handling the product.

Ventilation controls:

When dust is created, use local ventilation where required to maintain airborne levels below OSHA PELs.

SECTION IX – PHYSICAL DATA

Physical state (room temperature):	Solid
Odor:	No significant odor
Appearance:	Rigid, solid material typically gray or brown in color
Odor threshold:	Not applicable
Boiling point:	Not applicable
Freezing point:	Not applicable
Percent volatile by volume:	Not applicable
Specific gravity:	>1
Evaporation rate:(butyl acetate = 1)	Not applicable
Vapor pressure:	Not applicable
Vapor density:	Not applicable
pH:	Not applicable
Coefficient of water/oil distribution:	Not determined
Solubility in water (% by weight):	Not soluble

SECTION X – STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of storage and use.
Conditions to avoid:	Store away from excessive heat, open flame, or other ignition sources.
Incompatibility (materials to avoid):	None known
Hazardous decomposition products:	Combustion of the material can release hydrocarbons and oxides of nitrogen and carbon
Hazardous polymerization:	Will not occur

SECTION XI – TOXICOLOGICAL PROPERTIES



Toxicity:	LD ₅₀ : Not available, LC ₅₀ : Not available
Irritancy:	Not available
Sensitization:	Not available
Carcinogenicity:	Not available
Reproductive toxicity:	Not available
Teratogenicity:	Not available
Mutagenicity:	Not available
Toxicologically synergistic products:	Not available

SECTION XII – ECOLOGICAL INFO

No information available

SECTION XIII – WASTE DISPOSAL METHOD

Waste disposal method:	This product is not considered a hazardous waste under EPA Hazardous Waste Regulations 40 CFR Part 261. State and local requirements for waste disposal may differ and should be reviewed. Disposal should occur in accordance with local, provincial, state, and federal regulations.
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SECTION XIV – TRANSPORT INFORMATION

PIN Number	Not applicable
TDG Shipping name	Not applicable
TDG Hazard class	Not applicable
DOT Class	Not regulated

It is the responsibility of the transporting organization to follow all applicable laws, regulations, and rules relating to the transportation of the material

SECTION XV – REGULATORY INFORMATION

NFPA Rating: Health: 1 Flammability: 0 Reactivity: 0

HMIS Rating: Health: 1 Flammability: 0 Reactivity: 0

OSHA (29CFR 1910.1200): See section II of SDS

TSCA: All components are listed on the TSCA inventory

CERCLA RQ: This product contains the following chemical(s), which have reportable quantities: NONE

SARA 311 / 312: Immediate (Acute) Health Hazard: NO

 Delayed (Chronic) Health Hazard: NO



Fire Hazard: NO

Reactive Hazard: NO

Sudden Release of Pressure Hazard: NO

SARA 313: This product contains the following chemical(s) in concentrations, which should require reporting under SARA 313: NONE

SECTION XVI – OTHER INFORMATION

NONE

DISCLAIMER: The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of the product in compliance with applicable federal, state, provincial and local laws and regulations. Eric'sons makes no warranty of any kind, express or implied, concerning the accuracy or completeness of the information and data herein. The implied warranties of merchantability and fitness for a particular purpose are specifically excluded. Eric'sons will not be liable for claims relating to any party's use of or reliance on information and data contained herein regardless of whether it is claimed that the information and data are inaccurate, incomplete or otherwise misleading.