

Firestone Fibers and Textiles Company, LLC

Material Safety Data Sheet

February 27, 2009

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SECTION 1: PRODUCT IDENTIFICATION

Product Name: Aramid Pre-dip (TO3)
Chemical Name / Synonym: None
Chemical Family: Mixture
24-Hour Emergency Phone: (800) 424-9300 CHEMTREC
Manufacturer's Name: Firestone Fibers and Textiles Company, LLC
Manufacturer's Address: 100 Firestone Lane, King's Mountain, NC 28086
NFPA Hazard Rating: Health 1, Flammability 0, Reactivity 0
HMIS Hazard Rating: Health 1, Flammability 0, Reactivity 0

SECTION 2: CHEMICAL COMPOSITION

Chemical Name:	Common Name:	CAS #:	% (by wt)	Exposure Limits:
Water	Water	7732-18-5	>97	None Established
Glycerintriglycidylether		90529-77-4	<2	None Established
Dioctyl sodium sulfosuccinate	None	577-11-7	<0.1	None Established
Piperazine	Piperazidine	110-85-0	<0.1	None Established

SECTION 3: HAZARD IDENTIFICATION

Primary Route of Exposure: Inhalation & skin.
Signs and Symptoms of Exposure: Eye contact with liquids or vapors may cause mild irritation and tearing. While unlikely (due to neutral pH), some sensitive people may experience skin irritation from repeated skin contact. While unlikely, inhalation of vapors may cause mild (reversible) upper respiratory tract irritation. While an unlikely route of exposure, ingestion may cause throat and stomach discomfort, vomiting, and diarrhea.
Medical Conditions Aggravated by Exposure: Exposure to this material may aggravate pre-existing skin and respiratory conditions.
Chronic Effects: None known.
Carcinogenicity: None.

SECTION 4: FIRST AID MEASURES

First Aid Procedures: In case of eye contact, open eyelids and flush eyes immediately with water for at least fifteen minutes, preferably at an eyewash fountain. If the material contacts the skin, remove the product by washing exposed surfaces with soap and water. If eye or respiratory irritation is experienced, move to fresh, uncontaminated air. Call a physician if eye, skin or respiratory irritation persists or if the material is ingested.

SECTION 5: FIRE FIGHTING PROCEDURES

Suitable Extinguishing Media: Combustion of this product is not likely due to its high concentration of water. Use fire fighting media suitable for other materials involved in the fire.

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Hazardous Combustion Products:	Containers exposed to fire conditions may release nitrogen and carbon oxides, and sulfur oxides.
Recommended Fire Fighting Procedures:	Wear impermeable protective clothing and self contained breathing apparatus suitable for other materials involved in the fire.
Unusual Fire and Explosion Hazards:	None known.

SECTION 6: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled:	Assess the conditions of the emergency and determine the appropriate personal protective equipment that responders must wear. Evacuation may be necessary. Contain spill with absorbent material and place into drums for disposal.
Precautions to Be Taken in Handling and Storing:	Store this material at room temperature in a closed container.

SECTION 7: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation:	Use in well ventilated area.
Respiratory Protection:	While none is expected to be necessary, the decision to use respiratory protection must be determined by the employer (end-user).
Eye Protection:	Chemical splash goggles and/or a full face shield may be warranted when pouring, mixing, or applying this product in a way that may cause splashing.
Skin Protection:	Chemical resistant gloves may be necessary to prevent skin contact during pouring, mixing or applying this product.
Other:	None known.
Work / Hygienic Practices:	Wash exposed skin prior to eating, drinking or smoking and at the end of each shift. Wash contaminated clothing prior to reuse.

SECTION 8: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor:	Cloudy yellowish liquid with a very faint ammonia odor.		
Flash Point:	Not Applicable	Lower Explosive Limit:	Not Applicable
Method Used:	Not Applicable	Upper Explosive Limit:	Not Applicable
Evaporation Rate:	Unknown	Boiling Point:	Unknown
pH (undiluted product):	Approx 7	Melting Point:	Not Applicable
Solubility in Water:	Unknown	Specific Gravity:	Unknown
Vapor Density:	Unknown	Percent Volatile:	Unknown
Vapor Pressure:	Unknown		

SECTION 9: STABILITY AND REACTIVITY

Thermal Stability:	Stable
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Avoid contact with acids, alkalis, and strong oxidizers.

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SECTION 10: TRANSPORTATION

Regulatory Agency:	Not Regulated
Proper Shipping Name:	Not Applicable
Hazard Classification:	Not Applicable
Identification Number:	Not Applicable
Labels Required:	Not Applicable
Other Requirements:	Not Applicable

SECTION 11: MISCELLANEOUS INFORMATION

Additional Comments:	Information provided in this MSDS is based on the health and physical properties of the component chemicals combined with material specific physical data of the otherwise untested mixture.
Date of Previous MSDS:	February 4, 2008
Changes Since Previous MSDS:	Company name change
Telephone Number for Additional Information:	(704) 861-2000

DISCLAIMER

The information contained herein is based on data considered accurate which has been obtained from other companies and organizations. However, no warranty or representation is expressed or implied that the information, is accurate, complete or representative. Firestone Fibers and Textiles Company, LLC assumes no responsibility for injury to the buyer, the buyer's employees, or any third persons, if reasonable safety procedures are not followed. Additionally, Firestone Fibers and Textiles Company, LLC assumes no responsibility for injury to buyer, the buyer's employees, or any third persons caused by abnormal use of this material, even if reasonable safety procedures are followed.