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TEXTILE TECHNOLOGIES

NOTICE-THIS INFORMATION PROVIDED HEREIN FOR A RESEARCH SAMPLE AND PRESENTS THE RESULTS OF PRELIMINARY INVESTIGATIONS. IT IS OFFERED IN GOOD FAITH, CONSISTENT WITH 29 CFR 1910.1200, RECOGNIZING THAT ADDITIONAL INFORMATION, INCLUDING DATA ON HAZARDOUS PROPERTIES MAY BE DEVELOPED AT A LATER TIME. EXERCISE DUE CARE AND CONTACT UNIVERSAL TEXTILE TECHNOLOGIES FOR ADDITIONAL INFORMATION IN THE FUTURE.

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## RESEARCH SAMPLE SAFETY DATA SHEET

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EMERGENCY PHONE 706-277-3778

DATE: July 7, 2004

SAMPLE NAME: MECHANICALLY-FROTHED ELASTOMERIC POLYURETHANE POLYMER

PRODUCT CODE: NOT APPLICABLE

## INGREDIENTS

POLYURETHANE POLYMER CONTAINING INORGANIC COMPONENTS.

SUBSTANCES LISTED IN THE INGREDIENTS SECTION ARE THOSE IDENTIFIED AS BEING PRESENT AT A CONCENTRATION OF 1 PERCENT OR GREATER, OR 0.1 PERCENT IF THE SUBSTANCE IS ON THE LIST OF POTENTIAL CARCINOGENS CITED IN OSHA HAZARD COMMUNICATION STANDARD. WHERE PROPRIETARY INGREDIENT SHOWS, THE IDENTITY OF THIS SUBSTANCE MAY BE MADE AVAILABLE AS PROVIDED IN 29 CFR 1910.1200.

## PHYSICAL DATA

BOILING POINT: NOT APPLICABLE  
VAP. PRESS: NOT APPLICABLE  
VAP. DENSITY: NOT APPLICABLE  
SOL. IN WATER: 0. INORGANIC FILLERS SOLUBLE IN STRONG ,  
ACIDS AND ALKALIES  
SP. GRAVITY: APPROX. 0.3G/CC - 1.0G/CC  
FREEZING POINT: NOT APPLICABLE  
APPEARANCE: UNCOLORED POLYMER WILL BE OFF-WHITE TO  
GREYISH-TAN TO BROWNISH-BLACKISH TONES.  
POLYMER CAN BE MANY COLORS IF A COLORANT WAS  
ADDED DURING ITS MANUFACTURING.  
ODOR: NOT AVAILABLE

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**FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT: NOT APPLICABLE

METHOD USED: NOT APPLICABLE

FLAMMABLE LIMITS

LFL: NOT APPLICABLE

UFL: NOT APPLICABLE

EXTINGUISHING MEDIA: WATER FOG, FOAM, CO<sub>2</sub> OR DRY CHEMICAL

FIRE AND EXPLOSION HAZARDS: HAZARDOUS DECOMPOSITION PRODUCTS MAY BE GENERATED UNDER FIRE CONDITIONS.

FIRE FIGHTING EQUIPMENT: WEAR POSITIVE PRESSURE, SELF-CONTAINED BREATHING APPARATUS TO PROTECT AGAINST POSSIBLE DECOMPOSITION PRODUCTS IF PRODUCTS ARE EXPOSED TO FIRE CONDITIONS.

**REACTIVITY DATA**

STABILITY: (CONDITIONS TO AVOID) POLYMER MAY DECOMPOSE UNDER FIRE CONDITIONS TO GIVE OFF HAZARDOUS PRODUCTS.

INCOMPATIBILITY (SPECIFIC MATERIALS TO AVOID): NO DATA AVAILABLE.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE, NITROGEN OXIDES AND TRACES OF HYDROGEN CYANIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

**ENVIRONMENTAL AND DISPOSAL INFORMATION**

ACTION TO TAKE FOR SPILLS/LEAKS: SWEEP UP AND DISPOSE OF IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

DISPOSAL METHOD: BURY IN AN APPROVED LANDFILL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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### HEALTH HAZARD DATA

THIS SECTION INCLUDES POSSIBLE ADVERSE EFFECTS WHICH COULD OCCUR IF THIS MATERIAL IS NOT HANDLED IN THE RECOMMENDED MANNER.

EYE: SOLID OR DUST MAY CAUSE IRRITATION OR CORNEAL INJURY DUE TO MECHANICAL ACTION.

SKIN CONTACT: PROLONGED OR REPEATED EXPOSURE NOT LIKELY TO CAUSE SIGNIFICANT SKIN IRRITATION. SKIN ABSORPTION IS UNLIKELY DUE TO PHYSICAL PROPERTIES.

INGESTION: INGESTION IS UNLIKELY DUE TO PHYSICAL STATE. SINGLE DOSE ORAL LD50 HAS NOT BEEN DETERMINED. NO HAZARDS ANTICIPATED FROM INGESTION INCIDENTAL TO INDUSTRIAL EXPOSURE.

INHALATION: VAPORS ARE UNLIKELY DUE TO PHYSICAL PROPERTIES. REPEATED EXCESSIVE EXPOSURES TO DUSTS GENERATED IN OPERATIONS SUCH AS GRINDING MAY CAUSE RESPIRATORY IRRITATION/EFFECTS.

SYSTEMATIC AND OTHER EFFECTS: NO RELEVANT INFORMATION FOUND.

### FIRST AID

EYES: IRRIGATE IMMEDIATELY WITH WATER FOR AT LEAST 5 MINUTES, MECHANICAL EFFECTS ONLY.

SKIN: NO ADVERSE EFFECTS ANTICIPATED BY THIS ROUTE OF EXPOSURE. WASH OFF IN FLOWING WATER OR SHOWER. FREQUENT RINSING OF SKIN WITH WATER TO REMOVE ANY ACCUMULATED DUST WILL MINIMIZE IRRITATION.

INGESTION: NO ADVERSE EFFECTS ANTICIPATED BY THIS ROUTE OF EXPOSURE INCIDENTAL TO PROPER INDUSTRIAL HANDLING.

INHALATION: REMOVE TO FRESH AIR IF EFFECTS OCCUR. CONSULT A PHYSICIAN.

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**HANDLING PRECAUTIONS**

THESE PRECAUTIONS ARE SUGGESTED FOR CONDITIONS WITH A HIGH POTENTIAL FOR EXPOSURE. IF HANDLING PROCEDURES ARE SUCH THAT THERE IS ONLY A LOW POTENTIAL FOR EXPOSURE, LESS PROTECTION MAY BE NEEDED. EMERGENCY CONDITIONS MAY REQUIRE ADDITIONAL PRECAUTIONS.

EXPOSURE GUIDELINES(S): FOR PARTICULATES WHICH HAVE NO SPECIFIC GUIDELINES, THE ACGIH TLV IS 10 MG/M<sup>3</sup> AND THE OSHA PEL IS 15 MG/M<sup>3</sup> TOTAL, 5 MG/M<sup>3</sup> RESPIRABLE.

VENTILATION: PROVIDE GENERAL AND/OR LOCAL EXHAUST VENTILATION TO CONTROL AIRBORNE LEVELS BELOW THE EXPOSURE GUIDELINES.

RESPIRATORY PROTECTION: FOR MOST CONDITIONS, NO RESPIRATORY PROTECTION SHOULD BE NEEDED. IN DUSTY ATMOSPHERES, USE AN APPROVED DUST RESPIRATOR.

SKIN PROTECTION: NO PRECAUTIONS OTHER THAN CLEAN BODY COVERING SHOULD BE NEEDED.

EYE PROTECTION: SAFETY GLASSES SHOULD BE SUFFICIENT FOR MOST OPERATIONS; HOWEVER, FOR DUSTY OPERATIONS WEAR CHEMICAL GOGGLES.

**ADDITIONAL INFORMATION: PRACTICE REASONABLE CARE AND CAUTION IN HANDLING.**

AN ACCUMULATION OF FINE DUST PARTICLES COULD POSE AN EXPLOSION HAZARD. DUST CAN PRODUCE FLAMMABLE OR EXPLOSIVE MIXTURE IF DISPERSED IN AIR. KEEP DUST CLOUDS AWAY FROM IGNITION SOURCES.

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