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## **BANOX FR3™ AND BANOX CERTIFIED™**

### **MATERIAL SAFETY DATA SHEET**

#### **PRODUCT DESCRIPTION**

BANOX FR3 AND BANOX CERTIFIED IS A 100% COTTON FABRIC, WHICH HAS BEEN PREPARED AND/OR DYED, THEN TREATED WITH A NITROGEN-PHOSPHORUS BASED FLAME RETARDANT FINISH.

#### **HAZARDOUS INGREDIENTS**

FORMALDEHYDE IS LESS THAN 500 PPM, (CAS 000050-00-0). TWA/CEILING/STEL IS 0.75 PPM; 0.3 PPM; 2 PPM. THERE IS NO PUBLISHED EXPOSURE LIMITATIONS FOR FORMALDEHYDE CONTAINED END-PRODUCT SOLIDS OTHER THAN AS A RESULT OF OUTGASSING (REF. OSHA; ACGIH; OSHA/NTP).

#### **PHYSICAL DATA**

APPEARANCE & ODOR ≈ FIBROUS SOLID, VARIOUS COLORS, ODORLESS  
SOLUBILITY IN WATER BY WEIGHT ≈ INSOLUBLE  
SPECIFIC GRAVITY ≈ 1.3-1.6  
MELTING POINT ≈ N/A

#### **FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT INFORMATION IS NOT AVAILABLE. WHEN FIGHTING FIRE, USE EXTINGUISHING MEDIA THAT IS APPROPRIATE TO SURROUNDING FIRE. FIREFIGHTERS SHOULD WEAR A SELF-CONTAINED BREATHING APPARATUS.

#### **HEALTH HAZARD DATA**

HUMAN EXPOSURE IS ACQUIRED BY FIBER DUST INHALATION AND THROUGH THE SKIN. NORMAL USE OF THIS PRODUCT IS NOT EXPECTED TO PRESENT A HEALTH HAZARD. HUMAN PATCH TESTS FOR TREATED COTTON FABRIC DID NOT REVEAL EVIDENCE OF SKIN IRRITATION OR SENSITIZATION.

#### **REACTIVITY DATA**

STRONG ACIDS AND STRONG ALKALIS DEGRADE AND DECOMPOSE THE COTTON BASE FIBERS.

#### **SPILL OR LEAK PROCEDURES**

NO EMERGENCY MEASURES ARE REQUIRED. UTILIZE CONVENTIONAL HOUSEKEEPING PROCEDURES THROUGH THE SWEEPING, BALING OR BAGGING OF LOOSE WASTE FIBERS.

#### **SPECIAL PROTECTION INFORMATION**

AS REQUIRED BY COTTON DUST STANDARD 29 CFR1910.1043, PROCESS AUTOMATION AND LOCAL EXHAUST VENTILATION SHOULD BE USED TO KEEP EXPOSURES BELOW THE PERMISSIBLE EXPOSURE LIMIT (PEL). USE RESPIRATORY PROTECTION WHERE LEVELS CANNOT BE CONTROLLED BELOW THE PERMISSIBLE EXPOSURE LIMIT.

#### **SPECIAL PRECAUTIONS**

NONE

#### **WASTE DISPOSAL**

SOLID WASTE DISPOSAL, COMPOST OR INCINERATE. DISPOSE WITH OTHER GENERAL PLANT SOLID WASTE.