

MATERIAL SAFETY DATA SHEET - F506 Fire Retardant Additive

Section I

Date Prepared March 19, 1996

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s) OSHA PEL ACGIH TLV

Other Limits Recommended % (optional)

CAUTION DUE TO DUST POSSIBILITY

Mica Cas #12001-26-2 3 Respirable 3 Respirable

Dust Fraction

Kaolin Cas#1332-58-7 10 Total Dust

5 Respirable 10 Total Dust

Fraction

This product is NOT considered hazardous or listed as carcinogen or potential carcinogen on National Toxicology Programs, IARC Monograph's or OSHA.

Section III - Physical/Chemical Characteristics

Boiling Point N/A Specific Gravity (H₂O = 1) .85

Vapor Pressure (mm Hg.) N/A Melting Point N/A N/A

Vapor Density (AIR = 1) N/A Evaporation Rate (Butyl Acetate = 1) N/A

Solubility in Water PARTIALLY WATER REPELLENT COATED

Appearance and Odor CREAM COLORED POWDER- ODORLESS

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) N/A Flammable Limits N/A LEL N/A UEL N/A

Extinguishing Media N/A - PRODUCT IS A FIRE RETARDANT

Special Fire Fighting Procedures NONE-FIRE CAN BE FOUGHT WITH WATER

Unusual Fire and Explosion Hazards NONE-PRODUCT DEVELOPED TO RETARD FIRES

Section V - Reactivity Data

Stability Unstable Conditions to Avoid

Stable X NONE

Incompatibility (Materials to Avoid)

STRONG ALKALIS, MG. SODIUM NITRATE, INORGANIC PER CHLORATE , ETC.

Hazardous Decomposition or Byproducts N/A

Hazardous May Occur Conditions to Avoid

Polymerization Will Not Occur X

Section VI - Health Hazard Data

Route(s) of Entry: Inhalation? NON-TOXIC Skin? NON-TOXIC Ingestion? NON-TOXIC

Health Hazards (*Acute and Chronic*)

NOT RECOMMENDED FOR INHALATION BECAUSE OF DUST.. NOT FOR HUMAN CONSUMPTION. DUST MAY IRRITATE THE NOSE AND THROAT AND CAUSE COUGHING AND CHEST DISCOMFORT.

Carcinogenicity: N/A NTP? N/A IARC Monographs? N/A OSHA Regulated? N/A

Signs and Symptoms of Exposure

A MILD ITCHING SENSATION MAY RESULT FROM PROLONGED SKIN CONTACT. DUST MAY IRRITATE EYES, THROAT & NOSE.

Medical Conditions - Generally Aggravated by Exposure

RESPIRATORY DISEASE INCLUDING ASTHMA & EMPHYSEMA. NOT RECOMMENDED FOR OPEN CUTS -- WILL IRRITATE OPEN CUTS & ABRASIONS

Emergency and First Aid Procedures

IF INHALED - REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING-CALL PHYSICIAN. EYE CONTACT: FLUSH EYES FOR 15 MIN., LIFTING UPPER & LOWER EYELIDS OCCASIONALLY.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

WEAR A NIOSH-APPROVED RESPIRATOR APPROPRIATE FOR THE DUST CONCENTRATION AT THE POINT OF USE.

Waste Disposal Method

DISPOSE OF CONTAMINATED PRODUCT & MATERIALS USED IN CLEANING UP SPILLS OR LEAKS IN ACCORDANCE WITH STATE & LOCAL REGULATIONS.

Precautions to Be Taken in Handling and Storing

STORE IN A COOL, DRY, WELL-VENTILATED PLACE AWAY FROM INCOMPATIBLE MATERIALS. KEEP BAGS OR FIBER DRUMS DRY AT ALL TIMES. WASH THOROUGHLY AFTER HANDLING.

Other Precautions

CONTAINERS, EVEN THOSE THAT HAVE BEEN EMPTIED WILL RETAIN PRODUCT RESIDUE. ALWAYS OBEY HAZARD WARNINGS AND HANDLE EMPTY CONTAINERS AS IF THEY WERE FULL.

Section VIII - Control Measures

Respiratory Protection (Specify Type)

WEAR A NIOSH-APPROVED RESPIRATOR APPROP. FOR THE DUST CONCENTRATION AT THE POINT OF USE.

Ventilation Local Exhaust NOT REQUIRED Special N/A

Mechanical (General) NOT REQUIRED Other N/A

Protective Gloves NORMAL CARE & PRECAUTIONS REQUIRED

Eye Protection NORMAL CARE & PRECAUTIONS REQUIRED

Other Protective Clothing or Equipment LONG-SLEEVED SHIRT, TROUSERS, SAFETY SHOES & GLOVES

Work/Hygienic Practice

NORMAL HYGIENE PRACTICES SHOULD BE FOLLOWED - WASH HANDS, ETC., AFTER HANDLING.

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