



FRC EX4

Material Safety Data Sheet

IDENTITY: FRC EX4

SECTION I - PREPARATION/PRODUCT INFORMATION

Manufactured and Supplied By:
PyroTech, Inc.
1120-A Republic Drive
Addison, IL 60101

Business Telephone: 630-628-1120
Date Prepared: July 1, 2000
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Product Use: Flame Retardant Powder Additive

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<u>HAZARDOUS COMPONENTS</u>	<u>EXPOSURE LIMITS</u>	<u>TOXICITY</u>	<u>AMOUNT</u>
CHEMICAL IDENTITY/CAS#/UN#	PEL TLV OTHER	LD50/LC50	%

Not a hazardous product. No EU R risk phrase required

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: N/A
FREEZING POINT: N/A
VAPOR PRESSURE (mm Hg): Not Determined
VAPOR DENSITY (AIR=1): N/A
SOLUBILITY IN WATER: Slight
PERCENT SOLIDS: N/A
SPECIFIC GRAVITY (H₂O=1): 1.46 (calc.)
pH: Not determined
ODOR THRESHOLD (ppm): Not Determined
COEF. WATER/OIL DIST.: Not Determined
EVAPORATION RATE: N/A
WEIGHT PER GALLON: N/A
APPEARANCE (PHYSICAL STATE) AND ODOR:
Powder: White Odor: Faint odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method): Not Applicable

EXTINGUISHING MEDIA: Water, Foam, CO₂, or Dry Chemical

SPECIAL FIRE FIGHTING PROCEDURE: Wear self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Releases ammonia when strongly heated.

IGNITABLE YES:
NO: X

CONDITIONS: Not Applicable

HMIS RATING: 0

FLAMMABLE LIMITS LEL: Not Determined
UEL: Not Determined

AUTOIGNITION TEMPERATURE: Not Determined
SENS. TO MECHANICAL IMPACT: Not Determined
SENS. TO STATIC DISCHARGE: Not Determined
HAZ. COMBUSTION PRODUCTS: None known

SECTION V - REACTIVITY DATA

STABILITY STABLE: X
UNSTABLE:

CONDITIONS TO AVOID (Cond. of Reactivity): None known

INCOMPATIBILITY (Materials to Avoid): No hazardous reactions are expected to occur under normal trial conditions; however, product properties may be altered by mixing with some materials.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Thermal decomposition in the presence of air may yield carbon monoxide, carbon dioxide and/or ammonia.

HAZARDOUS POLYMERIZATION
MAY OCCUR:
WILL NOT OCCUR: X

CONDITIONS TO AVOID: None known

HMIS RATING: 0

SECTION VI - HEALTH HAZARD DATA

PRIMARY POINTS OF EXPOSURE

INHALATION: X
SKIN CONTACT: X
SKIN ABSORPTION:
INGESTION:
EYE CONTACT: X

HEALTH HAZARDS

ACUTE: Not expected to cause significant irritation to eyes, skin, or respiratory tract.
CHRONIC:

CARCINOGENICITY

NTP: No IARC: No OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See Health Hazards above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known

OECD TEST VALUES FOR:

IRRITANCY: Not Determined
SENSITIZATION: Not Determined
REPRODUCTIVE TOXICITY: Not Determined
TERATOGENICITY: Not Determined
MUTAGENICITY: Not Determined
SYNERGISTIC PRODUCTS: Not Determined

HMIS RATING: 0

SECTION VII - FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove from further exposure. In case of respiratory discomfort, administer oxygen and seek medical advise.

INGESTION: Drink two or three cups of milk, fruit juice or water. No other first aid is normally required. However, seek medical advise if any unusual symptoms develop.

SKIN CONTACT: Remove contaminated clothing and cleanse skin thoroughly with soap and water. Seek medical attention if irritation, swelling, blistering or redness develop and persist.

EYE CONTACT: Holding the lids apart, flush contaminated eye(s) with a gentle stream of water for 15 minutes. If irritation or redness develop and persist, seek immediate medical attention.

SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep up and place in disposal container. Flush remaining spilled material into suitable retaining areas or containers with water. Prevent spilled liquid from entering sewers, storm drains, and/or other unauthorized treatment/drainage systems and natural water-ways.

WASTE DISPOSAL METHOD: In accordance with all Federal, State, and Local regulations. Refer to Section X. All waste material should be reviewed to determine the applicable hazards (testing may be necessary).

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep product containers cool and dry and away from sources of ignition. Use and store this product with adequate ventilation. Keep product containers closed when not in use.

OTHER PRECAUTION: In general, minimal health and safety hazards are expected from use of this product. When working with any chemical compound, prudent handling practices should be exercised and unnecessary exposure avoided. Launder saturated clothing before wearing.

SECTION IX - CONTROL MEASURES

RESPIRATORY PROTECTION: (Specify Type) The use of respiratory protection depends on vapor concentration above the time-weighted TLV. Use a respirator/gas mask with appropriate cartridges and canister (NIOSH approved if available), or supplied air equipment, depending on airborne concentrations.

VENTILATION

LOCAL EXHAUST: If general ventilation proves inadequate to maintain safe vapor concentrations supplemental local exhaust may be required.

MECHANICAL (General): May be sufficient to keep product vapor concentration within specified time-weighted TLV ranges.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Chemical goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Protective clothing is advised as good chemical handling practice. The availability of eye washes and safety showers in work areas is recommended.

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling.

SECTION X - ADDITIONAL INFORMATION

SPECIAL SHIPPING INFORMATION: Not available

TSC INVENTORY STATUS: Not known

SARA TITLE III:

This product contains the following chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of CFR 372:

None

RCRA STATUS:

The following chemical components are listed under (40 CFR 261) :

None

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