



SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

PyroCide™ Clear Part B

Clear Intumescent Coating

Supplied By:
Fire Management Systems, Inc.
P.O. Box 1351
Monterey, CA 93942

BUSINESS TELEPHONE: (630) 628-1120
DATE PREPARED: May 19, 2015
SUPERCEDES: October 1, 2014

Manufacturing Plant:
PyroTech
1120A Republic Drive
Addison, IL 60101
(630) 628-1120

**For Chemical Emergency
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada:
1-800-424-9300 or
1 703-527-3887 (collect calls accepted)**

PRODUCT USE: Intumescent Flame Retardant Coating

SECTION 2: HAZARD(S) IDENTIFICATION

Classification
According to EC 1272/2008 CLP
Signal Word: Warning



H315	Skin corrosion/Irritation	Category 2
H319	Causes serious eye irritation	Category 2A
Hazard statements	Causes skin and eye damage/irritation	

Label Elements

Precautionary Statements

P280	Wear protective gloves/protective clothing/eye protection/face protection
P260	Do not breathe vapor/spray
P302+352	IF ON SKIN: Wash with plenty of soap & water
P332+P313	IF SKIN IRRITATION OCCURS: Get medical advice/attention

SECTION 2: HAZARD(S) IDENTIFICATION (CONTINUED)

P305+351+338 IF IN EYES: Rinse cautiously for several minutes, remove contact lenses if present and easy to do, continue rinsing for 30 minutes.

Classification according to 67/548.EEC, 1999/45EC

Xi Irritant

R38 Irritating to the skin

R41 Risk of serious damage to eyes

HMIS III RATING: 3

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS CHEMICAL IDENTITY/CAS#/UN#	EXPOSURE LIMITS PEL TLV OTHER	TOXICITY LD50 (ORAL)	AMOUNT % LESS THAN
Phosphoric Acid, propyl ester 145441-41-4			62%
Aluminum Tris (Dihydrogen phosphate) 13530-50-2			32%

SECTION 4: FIRST-AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove to fresh air, if breathing is difficult seek medical advice.

INGESTION: DO NOT induce vomiting unless directed to do so by medical personnel. If large quantities of this material are swallowed, call a doctor immediately.

SKIN CONTACT: Wash off with copious flow of water. Remove contaminated clothing. If skin irritation occurs get medical advice.

EYE CONTACT: Holding the lids apart, flush contaminated eye(s) with a gentle stream of water for at least 30 minutes. Obtain prompt medical consultation, preferably from an ophthalmologist.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT (Method): Not Applicable

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

SECTION 5: FIRE FIGHTING MEASURES (CONTINUED)

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

UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers exposed to extreme heat may rupture due to pressure buildup.

IGNITABLE: NO

CONDITIONS: Not Applicable

HMIS III RATING: 2

SECTION 6: ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Flush spilled material into suitable retaining areas or containers with large quantities of water. Small amounts of spilled material may be absorbed into an appropriate absorbent. Prevent spilled liquid from entering sewers, storm drains, and/or other unauthorized treatment/drainage systems and natural waterways. Advise authorities if large spill enters waterways or sewer.

SECTION 7: HANDLING AND STORAGE

Handling

Wear personal protective equipment to prevent contact with skin, eyes and clothing. Exposure to mist and vapor from heated product should be minimized by provision of local ventilation systems.

Protection from fire and explosion

No special precautions necessary.

Storage

Store in original, tightly closed containers, keep dry and cool.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: The use of respiratory protection depends on vapor concentration above the time-weighted TLV. Use a respirator with appropriate cartridges and/or 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: May be sufficient to keep product vapor concentrations 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/HYGENIC PRACTICES: Wash thoroughly after handling.

HMIS III RATING: H

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT:	Decomposes
FREEZING POINT:	> -4 degrees F
FLASH POINT	None
FLASH POINT OF THE MIXED PARTS A & B	149 degrees F (Seta Flash intermittent-No subsequent ignition)
SOLUBILITY IN WATER:	Fully water dispersible
SPECIFIC GRAVITY (H₂O=1):	1.35 (calc.)
pH:	1.0-2.0
ODOR THRESHOLD (ppm):	Not Determined
COEF. WATER/OIL DIST.:	Not Determined
EVAPORATION RATE:	Slower than water
EXPLOSION LIMITS	Not explosive
WEIGHT PER GALLON:	14.6 ± 0.2
APPEARANCE (PHYSICAL STATE):	Liquid: Brown
ODOR:	Faint ethereal or alcoholic odor

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY

Corrosive to copper alloys, passivates steel

CHEMICAL STABILITY

Stable under normal prescribed conditions

HAZARDOUS REACTIONS

Reactions with alkalis. Exothermic reaction

HAZARDOUS DECOMPOSITION PRODUCTS

In fire carbon monoxide and carbon dioxide may be emitted.

HMIS III RATING: 0

SECTION 11: TOXICOLOGICAL INFORMATION

PRODUCT

Skin corrosion: May cause skin irritation in susceptible persons
Serious Eye Damage/Eye Irritation: Causes irritation to eyes, skin and mucous membranes

COMPONENTS

Aluminum Tris (dihydrogen phosphate)

Routes of Entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:

Acute Oral Toxicity (LD50): >2mg/kg [Rat]

Acute Dermal Toxicity (LD50): >4.64 mg/kg [Rabbit]

Acute Inhalation Toxicity (LC50): >5.1 mg/kg [Rat, 4h dust/mist]

SECTION 11: TOXICOLOGICAL INFORMATION (CONTINUED)

SPECIAL REMARKS ON OTHER TOXIC EFFECTS ON HUMANS:

Skin: May cause skin irritation

Eyes: Corrosive. Liquid or mists may cause severe eye irritation and may cause permanent corneal damage or chemical conjunctivitis.

Ingestion: May be harmful if swallowed. May cause irritation of the gastrointestinal (digestive) tract.

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY

Component	Aluminum Tris (dihydrogen phosphate)	
Toxicity to Fish		
LC50	Rainbow Trout	>100mg/l
NOEC	Rainbow Trout	100mg/l
Toxicity to daphnia		
EC50	Daphnia magna (Water Flea)	>100mg/l

PRODUCTS OF BIODEGRADATION:

Hazardous short term degradation products are not likely.

If handled as prescribed this product should not present an environmental hazard.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: In accordance with all Federal, State and Local regulations.

Prevent liquid from entering sewers, storm drains, and/or other unauthorized treatment/drainage systems and natural waterways.

EPA HAZARDOUS WASTE: Yes

SECTION 14: TRANSPORT INFORMATION

Land Transport **Not Regulated**
Proper shipping Name

SECTION 14: TRANSPORT INFORMATION (CONTINUED)

Air/Sea Transport	Not Regulated
Proper shipping Name	
Class	NA

SECTION 15: REGULATORY INFORMATION**TSCA INVENTORY STATUS:** Not Known**SARA TITLE III:** NONE**RCRA STATUS:** NONE**SECTION 16: OTHER INFORMATION**

Full text of Risk Phrases referred to under Section 2

R38 irritating to the skin

R41 risk of serious damage to eyes

SUPERCEDES: October 1, 2014**REASON FOR REVISION:** Update Hazard Statements

THE INFORMATION ON THIS SAFETY DATA SHEET IS BELIEVED TO BE ACCURATE AND IT IS THE BEST INFORMATION AVAILABLE TO FIRE MANAGEMENT SYSTEMS, INC. THIS DOCUMENT IS INTENDED ONLY AS A GUIDE TO THE APPROPRIATE PRECAUTIONS FOR HANDLING A CHEMICAL BY A PERSON TRAINED IN CHEMICAL HANDLING. FIRE MANAGEMENT SYSTEMS, INC MAKES NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED WITH RESPECT TO SUCH INFORMATION OR THE PRODUCT TO WHICH IT RELATES, AND WE ASSUME NO LIABILITY RESULTING FROM THE USE OR HANDLING OF THE PRODUCT TO WHICH THIS SAFETY DATA SHEET RELATES. USERS AND HANDLERS OF THIS PRODUCT SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION PROVIDED HEREIN FOR THEIR OWN PURPOSES.