

MATERIAL SAFETY DATA SHEET

042507REV

MSDS Number: 00005 Effective Date: 04/25/07 Page: 1 of 3

Product Name: TPR² FIRE RETARDANT ; AFES SERIES

Product Name: Flexible Fireshell™ Coatings
Product Code: TPR² AFES Series

HMIS CODES: H C F R
1 0 0

SECTION I - COMPANY IDENTIFICATION

Manufacturer: TPR²
Address: 161 Interstate Lane City: Waterbury
State: CT Zip: 06705
Information Telephone Number: 1-203-756-TPR2 Fax: 1-203-756-8779
MSDS Prepared By: Chemistry Dept, TPR²
Product Use: Flame Retardant

SECTION II – HAZARDOUS INGREDIENTS/ SARA III INFORMATION

Reportable Component	CAS NO.	%	EXPOSURE LIMITS

*** No reportable quantities of Hazardous ingredients are Present ***

*** No toxic chemical(s) subject to the reporting requirements of section 313 of title III and of 40 CFR 372 are present ***

If this product is used in a manner that might liberate it's chemically – bound formaldehyde, refer to MSDS section on Control Measures

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: N/A
DENSITY: 1.2
VAPOR DENSITY: Heavier than air
APPEARANCE AND ODOR: N/A

WPG (H2O=8.33): 11lb
EVAPORATION RATE: N/A
SOLUBILITY IN WATER: very

V.O.C.: 0 g/l(0 lb/gal)

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A METHOD USED: N/A

FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: N/A.

FIRE FIGHTING INSTRUCTIONS: Wear a self-contained breathing apparatus and protective clothing to prevent skin and eye contact in fire situations. If large amount of chemicals present, evacuate anyone not properly protected.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Closed containers may rupture when exposed to extreme heat.

SECTION V – REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: None

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITY: Oxidizing materials can cause reaction.

MATERIAL SAFETY DATA SHEET

MSDS Number: 00005 Effective Date: 04/25/07 Page: 2 of 3

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HAZARDOUS DECOMPOSITION OR BYPRODUCTS: After water is evaporated, it is possible that decomposition or combustion of resin solids may generate a small percentage of irritating vapors, monomers, hydrocarbons, CO or CO₂.

SECTION VI- HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Inhalation: Irritates passages and eyes slightly.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Eye Contact: Direct contact irritates slightly with redness and swelling.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Skin Contact: Can dry skin causing cracks, irritation and dermatitis.

INJECTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Ingestion: Can cause gastrointestinal irritation.

HEALTH HAZARDS (Acute and Chronic):

Acute: Eyes: Slight irritation with redness. Skin: No adverse effect. Inhalation: Irritates respiratory passage. Ingestion: Large amounts may cause digestive discomfort. Chronic: None Known

*** CARCINOGENICITY ***

Product/Similar Product:

NTP CARCINOGEN: No

IARC MONOGRAPHS: No

OSHA REGULATED: No

Component:

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Dermatitis, respiratory tract irritation.

EMERGENCY AND FIRST AID PROCEDURES:

Inhalation overexposure: Move person to fresh air. If breathing is difficult, administer Oxygen. If breathing has stopped, give artificial respiration and get medical attention. Eye contact: Flush with large amounts of water for 15 minutes. Skin contact: Wash thoroughly with soap and water. Remove contaminated clothing. Ingestion: Do NOT induce vomiting, can cause chemical pneumonitis and pulmonary edema. Contact physician immediately. If any symptoms persist, get medical attention.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Dike spill area and cover with inert, absorbent material, and remove to disposal container. Mop with mild detergent or cleaning solution. Observe all federal, State and local laws.

WASTE DISPOSAL METHOD:

Consult Local, State and Federal waste regulations before disposing into approved waste landfills. Obey relevant laws.

*** DO NOT INCINERATE CLOSED CONTAINERS ***

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Handling: no special precautions. Storage: No special precautions. Use reasonable care.

OTHER PRECAUTIONS:

*** BEFORE USING ANY PRODUCT, READ THE PRODUCTS LABEL ***

MATERIAL SAFETY DATA SHEET
MSDS Number: 00005 Effective Date: 04/25/07 Page: 3 of 3
Product Name: TPR² FIRE RETARDANT ; AFES SERIES

SECTION VIII – CONTROL MEASURES

WORK PRACTICES:

N/A

RESPIRATORY PROTECTION:

When working with this material, use in well ventilated area.

VENTILATION:

General mechanical ventilation or local exhaust should be suitable.

PROTECTIVE GLOVES:

Gloves may be worn for protection if skin is sensitive.

EYE PROTECTION:

Use chemical safety glasses, goggles or face shields for eye protection.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

N/A

WORK/HYGENIC PRACTICES:

Eye wash and safety showers in the workplace are mended.

RECOMMENDED EXPOSURE LIMITS:

N/A

SECTION IX - DISCLAIMER

To the best of our knowledge, The information contained herein is accurate, obtained from sources believed by TPR² Corporation to be accurate at the time of preparation. TPR² Corporation does not assume any legal responsibility for use or reliance upon same.

*** BEFORE USING ANY PRODUCT READ IT'S LABEL ***