

MATERIAL SAFETY DATA SHEET**MSDS Number:** 00004 **Effective Date:** 01/01/04 **Page:** 1 of 3**Product Name:** TPR² FIRE EXTINGUISHING COATINGS – HS SERIES**Product Name:** Heat Shedder**HMIS CODES:** H C F R**Product Code:** HS Series Fire Extinguishing / Insulative coatings

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SECTION I - COMPANY IDENTIFICATION**Manufacturer:** TPR²**Address:** 36 Plains Rd.**City:** Essex**State:** CT**Zip:** 06426**Information Telephone Number:** 1-860-767-TPR2 **Fax:** 1-860-767-8779**MSDS Prepared By:** Chemistry Dept, TPR²**Product Use:** Flame Retardant**SECTION II – HAZARDOUS INGREDIENTS/ SARA III INFORMATION**

Reportable Component	CAS NO.	%	EXPOSURE LIMITS
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*** 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 ***

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS**BOILING RANGE:** N/A**WPG (H20=8.33)****VAPOR DENSITY:** Heavier than air**EVAPORATION RATE:** Slower than Ether**APPEARANCE AND ODOR:** N/A**SOLUABILITY IN WATER:** Soluable

COATING V.O.C.: 0 g/l

COATING V.O.C.: 0 lb/gl

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:** Foam, Alcohol Foam, CO2, Dry Chemical, and Water fog.**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 explode when exposed to extreme heat.

SECTION V – REACTIVITY DATA**STABILITY:** Stable**HAZROUS POLYMERIZATION:** Will not occur**CONDITIONS TO AVOID:** None**INCOMPATIBILITY:** Oxidizing materials can cause reaction.**HAZARDOUS DECOMPOSTION OR BYPRODUCTS:** Carbon Dioxide, Carbon Monoxide, various hydrocarbons**SECTION VI- HEALTH HAZARD DATA****INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:**

Inhalation: Irritates passages and eyes very slightly. May cause headache or nausea.

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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:

Injection: 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 ***

NTP CARCINOGEN: No

IARC MONOGRAPHS: No

OSHA REGULATED: No

MEDICAL CONDITIONS GENERALLY AGREVATED BY EXPOSURE:

Dermatitis, respiratory tract irritation.

EMERGENY 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 spills 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 ***

SECTION VIII – CONTROL MEASURES

RESPIRATORY PROTECTION:

Not required under normal conditions of use. When spraying this material, use in well ventilated area.

VENTILATION:

General mechanical ventilation or local exhaust should be suitable to keep vapor concentrations below TLV.

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:

Use protective clothing whenever possible to prevent skin contact.

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WORK/HYGENIC PRACTICES:

Eye wash and safety showers in the workplace are recommended.

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 ***

THERMAL PRODUCT RESEARCH