



FOAM BARRIER FLAME RETARDANT COATING *MSDS*

MSDS (Material Safety Data Sheet)

(No PBDEs - Polybrominated diphenyl ethers)

| [FLAME SEAL -TB THERMAL BARRIER](#) |

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EMERGENCY TELEPHONE NO.: 800-424-9300

[PRODUCTS](#)

PRODUCT NAME: **FLAME SEAL-TB™ FIRE PROTECTIVE COATING**

[DISTRIBUTORS](#)

CHEMICAL FAMILY: Aqueous based intumescent fire retardant.

[FIRE TESTS](#)

SECTION I - PRODUCT INFORMATION

MANUFACTURERS NAME:

FLAME SEAL PRODUCTS, INC.

4025 WILLOWBEND BLVD. #310

HOUSTON, TX 77025 USA

TELEPHONE # FOR MSDS INFORMATION: 713-668-4291

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SECTION II - HAZARDOUS COMPONENTS

COMPONENT	ACGIH	OSHA	
<u>CAS REGISTRY NO.</u>	<u>WT. %</u>	<u>TLV</u>	
		<u>PRL</u>	
Phosphoric Acid	< 0.1%	500 ppm TWA	400 ppm TWA
7664-38-2		500 ppm STEL	500 ppm STEL

SECTION III - PHYSICAL PROPERTIES

APPEARANCE AND ODOR: White odorless liquid.

MOLECULAR WEIGHT: Not Applicable.

BOILING POINT: (DEGREES FAHRENHEIT): 212 - Not accurate: mixture of components.

MELTING POINT: (DEGREES FAHRENHEIT): Not Applicable.

VAPOR PRESSURE: (mm of Mercury): Not Determined.

SPECIFIC GRAVITY (WATER=1): 1.28 - 1.35

VAPOR DENSITY (AIR=1): Not determined.

PERCENT VOLATILE: (BY WEIGHT): 39.0% max. (water content only)

pH: 2.5 - 3.5

SOLUBILITY IN WATER: Partial with heat. Has insoluble characteristic when cool.

EVAPORATION RATE: (BUTYL ACETATE=1): Not Determined.

STORAGE: Temperature- 40-90°F, (4.44°C-32.22°C)
Time – 6 months

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT (DEGREES FAHRENHEIT: PENSKY-MARTENS CLOSED CUP): None to boiling.

FIRE EXTINGUISHING MEDIA: Not combustible. Use water spray, fog, foam, dry chemicals, CO₂, or other agents

PROTECTIVE GLOVES: Wear impervious gloves as necessary to avoid excessive skin contact: i.e. rubber or neoprene.

EYE PROTECTION: Protective glasses or goggles in heavy mist areas.

RESPIRATORY PROTECTION (SPECIFY TYPE): For heavy mist exposure use a NIOSH/MSHA approved respirator suitable for use with organic vapors if proper ventilation can not be provided.

OTHER PROTECTIVE EQUIPMENT: Adequate clothing to minimize direct contact with skin.

VENTILATION

LOCAL EXHAUST: Use exhaust fans if necessary to control mist or vapor.

MECHANICAL (GENERAL): Normal room ventilation of fans.

SPECIAL: Not applicable.

SECTION IX - SPILL, LEAK, AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Confine spilled material and absorb on sand, sawdust, earth or other available solids. Sweep and place in a suitable container. Flush with water and rinse minor spills into sewer if permitted by Federal, State and local regulations.

WASTE DISPOSAL METHODS: Mix excess *FLAME SEAL-TB*TM resin with *T50-TB*TM *Curing Agent*, allow to solidify completely, then dispose in accordance with disposal methods of local regulations for non-hazardous solid waste.

CLEAN WATER ACT REQUIREMENTS: Section 311 of the Clean Water Act lists phosphorus as a hazardous substance which, if discharged into or upon water, will present an imminent and substantial danger to public health and welfare. Spills of 5000 pounds or more must be reported to the National Response Center @ 1-800-424-8802.

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) REQUIREMENTS: No applicable information found.

SECTION X - REGULATORY INFORMATION

FDA: No applicable information found.

USDA: No applicable information found.

CPSC: No applicable information found.

TSCA: All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

CEPA (DSL) : All components of this product are on the DSL inventory or are exempt from reporting under the New Substances Notification Regulations.

DOT: No applicable information found.

PROPER SHIPPING NAME: Not applicable.

HAZARDOUS CLASS: Not applicable.

LABEL REQUIRED: Not applicable.

IDENTIFICATION NUMBER: Not applicable.

OTHER PERTINENT INFORMATION: Not applicable.

SECTION XI - SPECIAL PRECAUTIONS AND COMMENTS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep away from eyes. Avoid prolonged contact with skin. Wash exposed skin with soap and water. Avoid breathing of mist.

OTHER PRECAUTIONS: Not applicable.

REGISTRATION/CERTIFICATIONS: Not applicable.

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EFFECTIVE DATE: April 6, 2010

SUPERSEDES: March 26, 2010

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