

**MATERIAL SAFETY DATA SHEET**

PRODUCT NAME: FLAMEDXX Fire Retardant Coating

DATE REVISED: 09-25-08

FLAMEDXX  
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**SECTION I – PRODUCT IDENTIFICATION**

PRODUCT NAME: FLAMEDXX FR Coating  
PRODUCT CLASS: Fire Retardant Coating

HMIS HAZARD RATINGS			
H	F	R	PP
1	1	1	1

**SECTION II – PHYSICAL DATA**

APPEARANCE AND ODOR:	Orange viscous liquid, slight odor		
BOILING POINT (at 760 mm Hg):	212-212° F	Density:	lb/gl    g/l
EVAPORATION RATE (ether = 1):	same as water		11.44    1361
VOLATILES VOLUME %:	46.4	VOC (less exempt)	0.07    9

**SECTION III – HAZARDOUS COMPONENTS**

Ingredient Name	CAS #	% Weight	Permissible Exposure Limit	Vapor Pressure	@Temp ° F
Water	7732-18-5	41.4%	N/A	17.54	68
Proprietary Formula	Not Available	58.6%	10mg/m3		

\* Subject to the reporting requirements of Section 313 of Emergency Planning and Community Right to Know Act of 1986 and of 40 cfr 372. Distribution of this product must be accompanied by a copy of this MSDS.

**SECTION IV – FIRE AND EXPLOSION HAZARD DATA**

FLAMMABILITY CLASSIFICATION

OSHA: Combustible Liquid, Class IIIB

FLASH POINT: >200° F

EXTINGUISHING MEDIA: Foam, alcohol foam, CO2, dry chemical, water or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Respiratory equipment should be worn to avoid inhalation of concentrated vapors.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Material does not support combustion.

**SECTION V – REACTIVITY DATA**

STABILITY: STABLE  
 CONDITIONS TO AVOID: Excessive heat, poor ventilation, corrosive atmospheres, excessive aging.  
 INCOMPATIBILITY (MATERIALS TO AVOID): Alkaline materials, strong acids and oxidizing materials.  
 HAZARDOUS POLYMERIZATION: Will Not Occur.  
 HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, carbon dioxide, oxides of nitrogen.

**SECTION VI – HEALTH HAZARD DATA**

EFFECTS OF OVEREXPOSURE:	
Eyes:	Severe irritation, tearing, redness, blurred vision and blindness.
Skin:	Irritation and dermatitis.
Breathing:	Dizziness, breathing difficulty, headaches, loss of coordination, unconsciousness and death.
Swallowing:	Can cause gastrointestinal irritation, vomiting, nausea, diarrhea and death.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Anesthesia, respiratory tract irritation, dermatitis, nausea and vomiting.

PRIMARY ROUTE(S) OF ENTRY: Inhalation and Ingestion.

FIRST AID PROCEDURES:	
If Inhaled	Move person to fresh air. If breathing stops, apply artificial respiration and seek immediate medical attention.
If in Eyes:	Flush with flowing water immediately and continuously for 15 minutes.
If on Skin:	Thoroughly wash exposed area with soap and water. See a physician.
If Swallowed:	Do not induce vomiting, can cause chemical pneumonitis and pulmonary edema. Contact a physician immediately.

**SECTION VII – SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Keep unnecessary people away. Contain spill with inert material (sand, earth, etc.) and provide good ventilation.

WASTE DISPOSAL METHOD: Collect absorbent/spilled liquid mixture into metal containers. Consult local, state and federal hazardous waster regulations before dispensing into approved waste landfills. Obey relevant laws.

**SECTION VIII- SPECIAL PROTECTION INFORMATION**

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

RESPIRATORY PROTECTION: When spraying this material use a NIOSH approved cartridge respirator or gas mask suitable to keep airborne mists and vapor concentration below the time-weighted threshold limit value. When using in poorly ventilated and confines spaces, use a fresh air-supplying respirator or a self-contained breathing apparatus.

PROTECTIVE GLOVES: Impermeable chemical handling gloves for skin protection.

EYE PROTECTION: Use chemical safety glasses, goggles and face shields for eye protection.

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OTHER PROTECTIVE EQUIPMENT: Use impermeable aprons and protective clothing whenever possible to prevent skin contact. The use of head caps whenever possible is strongly recommended.

HYGIENIC PRACTICES: Eye washes and safety showers in the workplace are recommended.

**SECTION IX – SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid hot metal surfaces. Use in cool, well-ventilated areas. Keep containers closed when not in use. Keep away from excessive heat and open flames.

OTHER PRECATIONS: Smoking in areas where this material is used should be strictly prohibited.

**The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. It is the user's responsibility to determine the suitability of this information for the adoption of the necessary safety precautions. We reserve the right to revise Material Safety Data Sheets periodically as new information becomes available.**