

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Flamedxx Fire Retardant Coating

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HMIS HAZARD RATINGS			
LEAST	0	HEALTH HAZARD	1
SLIGHT	1	FLAMMABILITY HAZARD	0
MODERATE	2	REACTIVITY HAZARD	0
HIGH	3	MAXIMUM PERSONAL	
EXTREME	4	PROTECTION	B

SECTION I – PRODUCT IDENTIFICATION

PRODUCT NAME: FLAMEDXX FR Coating

D.O.T. HAZARD CLASS: None

D.O.T. Shipping Name: Cold Water Paint

PRODUCT CLASS: Latex Fire Retardant Coating

D.O.T. UN Number:

SECTION II – PHYSICAL DATA

APPEARANCE AND ODOR: Orange viscous liquid, slight odor

BOILING POINT (at 760 mm Hg):	220-240° F	SPECIFIC GRAVITY (water = 1):	1.3
VAPOR PRESSURE (at 20C or 68F)	nil	WEIGHT PER GALLON (lbs):	11
EVAPORATION RATE (ether = 1):	much slower	PERCENT VOLATILES BY VOLUME:	56
VAPOR DENSITY (air = 1)	0.6	SOLUBILITY IN WATER:	Very

SECTION III – HAZARDOUS COMPONENTS

TRADE NAME	CAS #	% Volume	OSHA PEL	ACGIH TLV
Titanium Dioxide (total dust) (respirable dust)	13463-67-7	25%	15 mg/m³ 5 mg/m³	10 mg/m³ 5mg/m³
DOT (Polybor) (total dust) (respirable dust)	12280-03-4	1%	15mg/m³ 5mg/m³	10 mg/m³

* Indicates toxic chemicals subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372. Hazard for this material is as a dust only. This hazard is eliminated in liquid paints. Dust hazard is applicable if dried coating is subjected to grinding and/or sanding operations.

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION

FLASH POINT: None

OSHA: Non-combustible

TEST METHOD:

DOT: Non-combustible

FLAMMABILITY LIMITS LEL: Not applicable

UEL: Not applicable

EXTINGUISHING MEDIA: Non-flammable (aqueous emulsion). After water evaporates, remaining material will burn. Use alcohol type or all-purpose foam for large fires. Use CO₂ or dry chemical media for small fires.

SPECIAL FIRE FIGHTING PROCEDURES: Wet product will not burn but will smoke and spatter if exposed to flames. Firefighters must use self-contained breathing apparatus.

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UNUSUAL FIRE AND EXPLOSION HAZARDS: Sealed containers may rupture if overheated. Cool with water spray.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal oxidative decomposition can produce toxic gases, including oxides of nitrogen and carbon monoxide.

SECTION V – REACTIVITY DATA

STABILITY:	STABLE
CONDITIONS TO AVOID:	Not applicable
INCOMPATIBILITY (MATERIALS TO AVOID):	Strong Oxidizers, Strong Bases
HAZARDOUS POLYMERIZATION:	Will Not Occur

SECTION VI – HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:	
Eyes:	Direct contact with product may result in eye irritation.
Skin:	Prolonged or repeated contact with product may cause skin irritation.
Breathing:	Excessive inhalation can cause irritation of the mucous membranes of the nose, throat, and respiratory tract, headache and nausea.
Swallowing:	Excessive exposure may cause central nervous system effects, cardio-pulmonary effects, and kidney failure.

FIRST AID PROCEDURES:	
If in Eyes:	Flush with flowing water immediately and continuously for 15 minutes. Consult medical personnel.
If on Skin:	Thoroughly wash exposed area with soap and water. Remove and wash contaminated clothing before reuse.
If Swallowed:	If conscious, give two glasses of water to drink. Get immediate medical attention.

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 transfer the material to containers for recovery or disposal. Keep spill out of sewers and open bodies of water. Floors may be slippery; care should be exercised to avoid spills.

SECTION VIII- SPECIAL PROTECTION INFORMATION

VENTILATION TYPE: Mechanical local exhaust at point of mist release is preferred.

RESPIRATORY PROTECTION: None required if good ventilation is maintained. Otherwise wear OSHA/NIOSH approved respirator suitable for vapor, mist, or dust concentrations encountered.

PROTECTIVE GLOVES: Impervious, cotton lined rubber

EYE PROTECTION: Safety glasses

SECTION IX – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Use only with adequate ventilation. Prevent prolonged breathing of vapor or mist. Prevent contact with eyes. Do not take internally. Keep out of reach of children.

STORAGE TEMPERATURE: MAX 100° F MIN 32° F

OTHER PRECATIONS:

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.