



International Fireproof Technology, Inc.

17528 Von Karman Avenue, Irvine CA 92614

Material Safety Data Sheet - DC315

Emergency Telephone Number: CHEMTREC 1-800-424-9300

1. Product and Company Identification

Product: Water Based Fire Retardant Paint
Product Code: DC315
Company: International Fireproof Technology Inc.
17528 Von Karman Avenue
Irvine, CA 92614
Phone: 949-975-8588
MSDS Creation Date: February 20, 2012

HMIS	
Health Hazard	1
Fire Hazard	0
Reactivity	0
Personal Protection	E

2. Composition/Information on Ingredients

Ingredient:	CAS No.	Percent (by weight)
Ammonium Polyphosphate	68333-79-9	25-45 %
Melamine	108-78-1	10-25 %
Pentaerythritol	115-77-5	10-25 %
PVAC Resin	9003-20-7	5-30 %
Titanium Dioxide	13463-67-7	5-10%
Water		20-40%

NFPA Rating	
Health Hazard	1
Fire Hazard	0
Reactivity	0

3. Hazards Identification

Emergency Overview: None

Potential Health Effects:

General: No Danger
Inhalation: Spray application may create aerosols which may result in irritation of the upper respiratory track, throat and nose.
Ingestion: If ingested, may cause irritation to the mouth, esophagus and stomach.
Skin Contact: Prolonged or repeated exposure may irritate skin.
Eye Contact: May cause irritation upon direct contact.

4. First Aid Measures

Inhalation: If inhaled, leave the area to obtain fresh air. Seek medical attention.
Ingestion: If swallowed, do NOT induce vomiting. Drink large amounts of water and seek medical attention immediately. Never give anything by mouth to an unconscious person.
Skin Contact: Wash thoroughly with soap and water. Seek medical attention if irritation develops or persists.
Eye Contact: In case of eye contact, flush with plenty of water for 15 minutes. Seek medical attention if irritation or symptoms of overexposure persists.

Note to Physician:

None

5. Fire Fighting Measures

Flash Point:

No Data

Lower Flammability Limit:

Not Applicable

Upper Flammability Limit:

Not Applicable

Fire Hazard:

Nonflammable

Explosion Hazard:

Not considered an explosion hazard.

Fire Extinguishing Media:

No restriction on the type of extinguisher.

Protection of fire fighter:

As in any fire, wear Self Contained Breathing Apparatus (SCBA).
MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

Steps to be taken in case of spill or leak:

Maintain adequate ventilation. Prevent runoff into sewers, ditches and waterways. Use sand or other material to dam or contain spill. Soak up with an inert absorbent. Store in a closed container until disposal.

7. Handling and Storage

Handling:

Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing. Wash hands thoroughly with soap and water after handling as a standard hygienic practice.

Storage:

Period \leq 12 months. Keep containers tightly closed. Avoid direct sunlight and protect from freezing.

Special Comments:

Store between 50°F – 86°F (10°C - 30°C) in a closed container in a protected area.

8. Exposure Controls / Personal Protection

Engineering Control:

Use appropriate engineering controls such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective, wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or recognized standards. Consult with local procedures for selection, training, inspection and maintenance of personal protective equipment.

Personal Respirators:

Wear a NIOSH approved air purifying respirator during spray application.

Skin Protection:

Wear chemical resistant gloves, face shield and synthetic apron or coveralls to prevent contact with eyes, skin and clothing.

Eye / Face Protection:

Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation.

9. Physical and Chemical Properties

Appearance:

White liquid

Odor:

Mild latex odor

Data relevant to safety:

Flash point:

Not applicable

Ignition temperature:

Not applicable

Self-ignition temperature:

Not applicable

Color:	White
Particle size:	< 90µm
Solid Content:	65 ± 3.0%
Density:	1.35 ± 0.10
pH:	7.0 ± 1.0
Thinner:	Water
VOC Content:	< 50 grams/liter

10. Stability and Reactivity

Stability:	Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products:	Thermal decomposition products or combustion: Ammonia, inorganic acids, carbon monoxide, carbon dioxide.
Hazardous Polymerization:	Not reported.
Incompatibilities:	Organic solvents
Conditions to Avoid:	Heat, flames, high temperatures condition (>113°F or >45°C), strong alkaline, strong acid and strong oxidizing agents.

11. Toxicological Information

Acute oral toxicity (LD50):	None
Irritant effect on skin:	Prolonged or repeated exposure may irritate skin.
Irritant effect on eyes:	Slightly irritant

12. Ecological Information

Ecological effect:	Fish toxicity (LC50): None
Environmental Fate:	When released into the soil, this material is not expected to leach into groundwater. When released into water, this material is not expected to evaporate significantly.

13. Disposal Considerations

Waste Disposal:	Dispose waste by sanitary landfill or incineration in accordance with appropriate regulations.
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14. Transport Information

Shipping Name:	Product Name: Fire Retardant Paint
Product Code: DC315	
Size:	5 Gal. Pail, 55 Gal. Drum
Road transport:	Non-hazardous goods
Inland waterways transport:	Non-hazardous goods
Marine transport:	Non-hazardous goods
Air transport:	Non-hazardous goods
Dispatch by post:	Permitted

15. Regulatory Information

Health hazardous goods:	Not Applicable
Environmental hazardous goods:	Not Applicable
Fire hazardous goods:	Not Applicable

16. Other Information

Hazard Warning:	None
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Cautions:

Avoid contact with eyes and skin. Do not breathe vapors, dust or mist.
Use with adequate ventilation. Wash thoroughly after handling.

Product Use:

Fire Retardant Paint

Disclaimer:

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