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EMERGENCY TELEPHONE NO.: 800-424-9300  
PREPARE BY: IFTI SAFETY DEPARTMENT  
REVISE: 11-04-2010

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## **Material Safety Data Sheet – DC315**

### **1. Product and Company Identification**

Product: Water based fireproof paint  
Product Code: DC315  
Company: International Fireproof Technology Inc.  
17528 Von Karman Avenue  
Irvine, CA 92614  
Phone: 949-975-8588

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### **2. Composition/Information on Ingredients**

Ingredient:	CAS No.	Percent
Ammonium Polyphosphate:	68333799	25-45 %
Melamine:	1008781	10-25 %
Pentaery thritol:	115775	10-25 %
PVAC Resin:	9003-20-7	5-30 %
Titanium Oxide:	13463-67-7	5-10 %
Water		20-40 %

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### **3. Hazards Identification**

Hmis	Hazard Classification
Toxicity:	0
Flammable:	0
Reactivity:	0
Personal Protection:	B
Scale Low:	1
Moderate:	2
High:	3
Extreme:	4
Emergency Overview:	None
Potential Health Effects:	None
General:	No Danger
Inhalation:	It may result in irritation of throat and lungs if inhaling.
Ingestion:	None
Skin Contact:	Direct skin contact doesn't cause skin irritation or dermatitis.
Eye Contact:	May cause irritation upon direct contact.

#### 4. First Aid Measures

Inhalation:	None
Ingestion:	Seek medical attention or drinking amounts of water immediately.
Skin Contact:	Wash with soap and water
Eye Contact:	Flush with water. Consult a physician if necessary.
Note to Physician:	None

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#### 5. Fire Fighting Measures

Fire:	None-Flaming
Explosion:	Not considered to be an explosion hazard.
Fire Extinguishing Media:	None-Flaming
Special Information:	None

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#### 6. Accidental Release Measures

Steps to be taken in case of spill or leak: Maintain adequate ventilation. Prevent runoff to sewers. Use sand or other material to dam or contain spill. Soak up with an inert absorbent.

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#### 7. Handling and Storage

Handling:	Keep containers tightly closed.
Storage:	Period $\leq$ 24 months
Special Comments:	Store between 5°C - 35°C in a closed container in a protected area.

Wash hands thoroughly with soap and water after handling as a standard hygienic practice.

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#### 8. Exposure Controls / Personal Protection

Airborne Exposure Limits:	None
Ventilation:	A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.
Personal Respirators:	Wear dust mask during work.
Skin Protection:	It is good to use protective gloves.
Eye Protection:	Wear goggles to avoid splash.

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#### 9. Physical and Chemical Properties

Appearance:	White liquid
Odor:	Odorless
Data relevant to safety:	
Changes in physical state:	Temperature $>$ 60°C; after the pail is opened.
Flash point:	Not applicable
Ignition temperature:	Not applicable
Self-ignition temperature:	Not applicable
Color:	White; also available in standard color range
Particle size:	$<$ 45 $\mu$ m
Solid Content:	Above 65%
Density:	1.30 $\pm$ 0.05
Viscosity:	$>$ 80 KU (at 25°C)
pH:	7.0 $\pm$ 1.0
Thinner:	Water
Storage Temperature:	5°C - 35°C

## 10. Stability and Reactivity

Stability:	Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products:	Ammonium gas. Vinyl monomers if the temperature is higher than 45°C.
Hazardous Polymerization:	Should not occur.
Incompatibilities:	Evolution of ammonia under high temperature.
Conditions to Avoid:	High temperature condition (> 45°C)

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## 11. Toxicological Information

Acute oral toxicity (LD <sub>50</sub> ):	None
Irritant effect on skin:	None
Irritant effect on eyes:	Slightly irritant
Duration of exposure:	24 hours

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## 12. Ecological Information

Ecological effect:	Fish toxicity (LC <sub>50</sub> ); None
Environmental Fate:	When released into the soil, this material is not expected to leach into groundwater. When released into the soil, this material is not expected to evaporate significantly. When released into water, this material is not expected to evaporate significantly.

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## 13. Disposal Considerations

Dispose waste by sanitary landfill or incineration in accordance with appropriate regulations.

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## 14. Transport Information

Shipping Name:	DC 315
Product Name:	Fireproof Paint
Product Code:	DC 315
Size:	1 Gallon or 5 Gallon by plastic bucket.
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

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## 15. Regulatory Information

Health hazardous goods:	NO
Environmental hazardous goods:	NO
Fire hazardous goods:	NO

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## 16. Other Information

Hazard Warning:	None
Cautions:	Avoid contact with eyes. Use with adequate ventilation. Wash thoroughly after handling.
Label First Aid:	Assist person to understand and exactly avail the materials.
Product Use:	Fireproof Paint
Remark:	This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application