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## Material Safety Data Sheet – DC333

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### 1. Product and Company Identification

Product: Water based fireproof paint  
Product Code: DC333

**Company: International Fireproof Technology Inc.**

Address : 17528 Von Karman Ave Irvine, Ca. 92614  
Phone : 949-975-8588  
Fax : 949-724-8898  
Emergency :

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### 2. Composition/Information on Ingredients

| <u>Ingredient</u>      | <u>CAS No</u> | <u>Percent</u> |
|------------------------|---------------|----------------|
| Ammonium Polyphosphate | 68333799      | 35 ~ 50 %      |
| Melamine               | 108781        | 10 ~ 25 %      |
| Pentaery thritol       | 115775        | 10 ~ 25 %      |
| Acrylic Resin          |               | 5 ~ 30 %       |
| Water                  |               | 25 ~ 50 %      |

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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:

|               |  |
|---------------|--|
| 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.                        |

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## 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. Store in a closed container until disposal.

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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.<br>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 System:       | 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.   |

## 9. Physical and Chemical Properties

|                          |   |   |
|--------------------------|---|---|
| Appearance:              | White liquid                                  |   |
| Odor:                    | Odorless                                      |   |
| Data relevant to safety: | Changes in physical state:                    | Temperature > 60°C; after the pail be 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 µm                                       |   |
| Solid content:           | Above 65%                                     |   |
| Density:                 | 1.20±0.05                                     |   |
| Viscosity:               | > 80 KU (at 25°C)                             |   |
| pH:                      | 7.0±1.0                                       |   |
| Thinner:                 | Water   |   |
| Storage Temperature:     | 5°C~35°C                                      |   |

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## 10. Stability and Reactivity

|                                   |  |
|-----------------------------------|--|
| Stability:                        | Stable under ordinary conditions of use and storage.                         |
| Hazardous Decomposition Products: | Ammonium gas. Vinyl/Acrylic 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<br>Duration of exposure 24 hours |

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## 12. Ecological Information

|                     |  |
|---------------------|--|
| Ecological effect:  | Fish toxicity (LC <sub>50</sub> );<br>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:              | Product name:   | Fireproof Paint     |
|                             | Product code:   | DC333               |
| Size:                       | 1 Gallon (net weight 10Lbs) or 5 Gallon (net weight 50Lbs) by steel pail. |                     |
| Road transport:             | ADR   | Non-hazardous goods |
|                             | RI  | Non-hazardous goods |
| Inland waterways transport: | ADNR  | Non-hazardous goods |
| Marine transport:           | IMDG/UN1263   | Non-hazardous goods |
| Air transport:              | ICAO/IATA-DGR   | 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.<br>Use with adequate ventilation.<br>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. |

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