Material Safety Data Sheet - DC315

1. Product and Company Identification
   Product: ........................................... Water based fireproof paint
   Product Code: .........................DC315
   Company: ..............................International Fireproof Technology Inc.

2. Composition/Information on Ingredients

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

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

5. Fire Fighting Measures

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

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.
7. Handling and Storage
Handling: .................................................. Keep containers tightly closed.
Storage: .................................................. Period ≤ 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.

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.

9. Physical and Chemical Properties
Appearance: .............................................. White liquid
Odor: ........................................................ Odorless
Data relevant to safety: .............................. None
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 μm
Solid Content: ......................................... Above 65%
Density: ................................. 1.30 ± 0.05
Viscosity: ............................................... > 80 KU (at 25°C)
pH: ........................................................... 7.0 ± 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)

11. Toxicological Information
Acute oral toxicity (LD50): ....................... None
Irritant effect on skin: .............................. None
Irritant effect on eyes: ............................. Slightly irritant
Duration of exposure: ............................... 24 hours

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 the soil, this material is not expected to evaporate significantly. When released into water, this material is not expected to evaporate significantly.
13. Disposal Considerations
Dispose waste by sanitary landfill or incineration in accordance with appropriate regulations.

14. Transport Information
Shipping Name: ..............................................Product Name: Fireproof Paint
Product Code: ..............................................DC315
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

15. Regulatory Information
Health hazardous goods: ..............................NO
Environmental hazardous goods: ..................NO
Fire hazardous goods: .................................NO

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.