



Material Safety Data Sheet – DC310

1. Product and Company Identification

Product : Water based fire resistant coating
Product Code : DC310
Company: International Fireproof Technology Inc.
17528 Von Karman Ave
Irvine, CA 92614
Phone : 949-975-8588 Fax : 949-724-8898

2. Composition/Information on Ingredients

<u>Ingredient</u>	<u>CAS No.</u>	<u>Percent</u>
Ammonium Polyphosphate	68333799	35 ~ 50 %
Melamine	108781	10 ~ 25 %
Pentaerythritol	115775	10 ~ 25 %
PVAC Resin		5 ~ 30 %
Water		25 ~ 50 %

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

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.
Remove sources of ignition. 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 < = 12months
Special comments: Store below 120°F in 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 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. If the exposure limit

(NIOSH Approved) : is exceeded, a full facepiece respirator with dust/mist filter may be worn up to 70 times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use a full facepiece positive- air-supplied respirator.

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
Flash point : Not applicable
Ignition temperature : Not applicable
Self-ignition temperature : Not applicable
Lower explosion limit : Not applicable
Upper explosion limit : Not applicable
Solubility : Soluble in water at 25°C (77°F)
Density : 1.20±0.05
0.62 (apparent density)
pH : 6.0±1.0
% Volatiles by volume : <0.1% @21°C; decomposing ammonium slightly > 70°C
Boiling Point : Does not boil.

10. Stability and Reactivity

Stability : Stable under ordinary conditions use and Storage.
Hazardous Decomposition: 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)

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: Flash toxicity (LC₅₀)
None
Duration of exposure 96 hours
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: Fire resistant coating
Product code: DC310
Size: 20kg/parcel.
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-DRG 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 : Fireproofing coating.
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.