

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE PRODUCT AND COMPANY

1.1 Product Name	Fire Wall (Additive)
1.2 Product Code	FWA1120
1.3 Application	To mix with normal paint to convert into Flame Retardant Paint (Intumescent) - Fire protective coating.
1.4 Manufacturer	Mags Novel D-103, Prince Apartment I P Extension, Delhi.110092 TEL :+9111 22237368, +919810002359

2. COMPOSITION & INFORMATION ON INGREDIENTS

2.1 Chemical Identity	<p>Powder based additive formulation for solvent based enamel paint.</p> <p><u>Key ingredients</u></p> <p><i>Antimony trioxide</i> <i>Pentaerythritol</i> <i>Ammonium - Sulphate</i> <i>Borax</i> <i>Ammonium - Carbonate</i> <i>Melamine</i> <i>Boric Acid</i> <i>Alluminium Chloride</i> <i>APP</i></p>
2.2 C.A.S. NO. of Active Ingredients	<p>Antimony Trioxide 1309-64-4 Pentaerythritol 115-77-5 Ammonium Sulphate 7783-20-2 Borax 1330-43-4 Ammonium Carbonate 506-87-6 Melamine 108-78-1 Boric Acid 10043-35-3 Aluminium Chloride 7446-70-0 APP 68333-79-9</p>

3. HAZARD IDENTIFICATION

<p>3.1 Hazardous Nature</p>	<p>Dermal: Yes, Ingestion: Yes, Inhalation: Yes</p> <p>Potential Health Hazards (Acute and Chronic)</p> <p>Eyes: Very mild eye irritant. Direct contact with the solution may cause conjunctival irritation.</p> <p>Skin: Can be mildly irritating upon prolonged exposure.</p> <p>Ingestion: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.</p>
-----------------------------	---

4. FIRST AID MEASURES

<p>4.1 Skin</p>	<p>Can be removed by water wash or water and soap.</p>
<p>4.2 Eyes</p>	<p>Rinse with plenty of clean, free flowing water. Seek medical attention if necessary</p>
<p>4.3 Inhalation</p>	<p>If inhaled ,remove to fresh air .If not breathing ,give artificial respiration. If breathing is difficult ,give oxygen. Call a physician immediately.</p>
<p>4.4 Ingestion</p>	<p>Aspiration hazard. If swallowed, do not induce vomiting. Give large quantity of fresh water. Get medical attention immediately . Never administer any liquids by mouth to unconscious persons.</p>

5. FIRE FIGHTING MEASURES

<p>5.1 Extinguishing Media</p>	<p>NA (Not flammable)</p>
<p>5.2 Unsuitable Extinguishing Media</p>	<p>None known</p>
<p>5.3 Special Exposure Hazards</p>	<p>Above flash point ,vapor -air mixtures are within mild flammable limits</p>
<p>5.4 Special Protective Equipments</p>	<p>In the unlikely event of a fire ,wear full protective clothing and self contained breathing apparatus with full face piece</p>
<p>5.5 Combustion Products</p>	<p>None known. Material is non-flammable and non-combustible.</p>

6. ACCIDENTAL RELEASE MEASURES

<i>6.1 Personal Precautions</i>	Use in a ventilated area. Avoid exposure to open flames or sparks.
<i>6.2 Environmental Precautions</i>	Observe local bye-laws. Do not flush to sewer.
<i>6.3 Clean up Procedure</i>	Collect powder in an appropriate container or absorb with an inert material and place in a chemical waste Container. Clean up residue with water and soap.

7. HANDLING AND STORAGE

<i>7.1 Handling Precautions</i>	General ventilation is required.
<i>7.2 Storage</i>	Store in any dry place with general ventilation, in closed containers. Avoid breathing vapors.
<i>7.3 Incompatible packaging materials</i>	Advised to use original containers only.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<i>8.1 Exposure Controls</i>	Air borne exposure limits : OSHA permissible exposure limit -200ppm (TWA), 500ppm (maximum conc).
<i>8.2 Personal Protective Equipment</i>	Neoprene rubber gloves
<i>8.3 Respiratory Protection</i>	None required if ventilation is adequate.
<i>8.4 Hand Protection</i>	Protective gloves recommended
<i>8.5 Eye Protection</i>	Goggles giving protection to eyes recommended.
<i>8.6 Hygiene Measures</i>	Observe standard industrial hygiene practices for handling of chemical substances. Avoid contact with skin, eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES

<i>9.1 Appearance</i>	
<i>Form</i>	Powder
<i>Color</i>	White
<i>Odor</i>	Characteristic

9.2 Safety Data	
<i>Melting Point</i>	Not applicable
<i>Flash Point</i>	>70C of one of the ingredients
<i>Flammability</i>	Not Flammable
<i>Auto Flammability of Active Ingredients</i>	Not Determined
<i>Explosive Properties</i>	Not Applicable
<i>Oxidizing Properties</i>	Not Determined
<i>Relative Density</i>	0.75 - 0.85
<i>Solubility in water</i>	Partly soluble
<i>pH</i>	8.5 - 9.5
<i>Vapor Density</i>	(Air = 1.0) > 1
<i>Vapor Pressure</i>	(68 Deg F) <1
<i>Evaporation rate</i>	(Ether = 1) < 1
<i>Boiling Point</i>	>200
<i>Freezing Point</i>	< 0
<i>Specific Gravity</i>	1.22

10. STABILITY AND REACTIVITY

<i>10.1 Stability</i>	Stable under normal conditions of use and storage. Containers may burst when heated.
<i>10.2 Reactivity</i>	No known
<i>10.3 Conditions to avoid</i>	Heating
<i>10.4 Materials to avoid contact</i>	Do not bring in contact with any other chemicals except compatible products known in paint industries.
<i>10.5 Hazardous Decomposition</i>	May get oxidized at high temperature with strong oxidizing agents forming Decomposition products. Carbondioxide and carbon monoxide may form when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

<i>11.1 Health Effects</i>	
<i>On Skin</i>	Mild skin Irritant
<i>Eyes</i>	Causes discomfort / irritation
<i>Inhalation</i>	Mild vapors may cause irritation
<i>Ingestion</i>	Toxic by ingestion
<i>11.2 Other Effects</i>	May cause chronic effects known from long term exposures.

12. ECOLOGICAL INFORMATION

12.1 <i>Mobility</i>	When released into soil this material may biodegrade to a moderate extent.
12.2 <i>Persistence & Degradability</i>	Not known
12.3 <i>Bio accumulative Potential</i>	Not known
12.4 <i>Ecotoxic</i>	Bacteria toxicity: respiration and reproduction inhibition.
12.5 <i>Behaviors in Sewage</i>	Expected to be toxic to aquatic life .

13. DISPOSALCONSIDERATIONS

13.1 <i>Product Disposal</i>	Dispose off according to regulations by incineration in a special waste incinerator. Observe local bye-laws.
13.2 <i>Packaging Disposal</i>	Since packaging material does not get contaminated, it may be reused/recycled after thorough soap washing. Observe local bye-laws.

14. TRANSPORTINFORMATION

14.1 <i>UN No.</i>	
14.2 <i>Road & Rail Transport</i>	Not known
14.3 <i>GGVS/GGVE</i>	
14.4 <i>IMDG code</i>	Special packaging or labeling Requirements - NONE
14.5 <i>Air Transportation (ICAO/IATA)</i>	Non hazardous

15. REGULATORYINFORMATION

15.1 <i>Health & Safety Information on Labels</i>	Non hazardous
15.2 <i>NFPA Ratings</i>	Non hazardous

16.OTHER INFORMATION ANDDATA

The information and data contained in this “ Material Safety Data Sheet” is based on our present state of scientific and technical knowledge. Mags Novel does not guarantee the properties of the described products in terms of legal warranty regulations. In all cases, it is the responsibility of the user to determine the applicability of such information or the suitability of any products for their own particular purpose. The physical data presented herein does not purport to be the specifications.
