

# ZEROflame™ FIRE RETARDANT PAINT

## HEALTH AND SAFETY DATA

### 1. IDENTIFICATION OF PRODUCT AND COMPANY

**Product:** Zeroflame Fire Retardant Paint is a water-based intumescent paint which achieves Class 0 and Class 1 Fire Propagation and Spread of Flame fire protection on internal timber and timber derived substrates.

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### 2. HAZARDS IDENTIFICATION

This product is not classified according to EU legislation.

### 3. COMPOSITION OF PREPARATION

Name	CAS No.	Symbol and Risk	% by Weight
Melamine	108-78-1	Xn; R21	7-25

### 4. FIRST AID MEASURES

**Inhalation:** Obtain medical attention if symptoms occur.

**Ingestion:** Do not induce vomiting unless directed to do so by medical personnel. Maintain an open airway. Seek immediate medical attention.

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

**Skin Contact:** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Obtain medical attention if symptoms occur.

**Notes to physician:** In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

### 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** Use an extinguishing agent suitable for the surrounding fire.

**Special exposure hazards:** In a fire or if heated, a pressure increase will occur and the container may burst.

## 5. FIRE FIGHTING MEASURES cont...

**Hazardous thermal**

**decomposition products:** In a fire, the following may be released: carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>, etc.), metal oxide/oxides.

**Protection of fire-fighters:**

Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Protection:**

Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see Section 8).

**Environmental Precautions:**

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods for disposal:**

For large spills, stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows: contain and collect spillage with non-combustible, absorbent material, e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). For small spills, stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container.

## 7. HANDLING AND STORAGE

**Handling:**

Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use.

**Storage:**

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**Recommended monitoring procedures:**

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

**Prevention of Exposure:**

Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

**8. EXPOSURE CONTROL cont...**

**Hygiene Measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

**Respiratory**

**Protection:** No special measures required.

**Hand Protection:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Recommended: Butyl rubber/nitrile rubber gloves.

**Eye Protection:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

**Skin Protection:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: Use barrier skin cream.

**Environmental**

**exposure controls:** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Viscous Liquid (White)	<b>pH:</b>	8
<b>Boiling point/boiling area:</b>	100°C	<b>Relative Density:</b>	~1.32 g/cm <sup>3</sup>

**10. STABILITY AND REACTIVITY**

The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur, nor will hazardous decomposition products be produced.

**11. TOXICOLOGICAL INFORMATION**

May cause irritation if inhaled. Can cause gastrointestinal disturbances if ingested. May cause skin or eye irritation if contacted.

**12. ECOLOGICAL INFORMATION**

Avoid contact of spilt material and runoff with soil and surface waterways. Do not empty into drains; dispose of this material and its container in a safe way.

**13. DISPOSAL CONSIDERATIONS**

The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product should at all times comply with the requirements of environmental protection and waste disposal legislation and any other regional local authority requirements. The classification of the product may meet the criteria for hazardous waste.

**14. TRANSPORT INFORMATION**

This product is classified according to international transport regulations.

## 15. REGULATORY INFORMATION

Classification and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the product use.

## 16. OTHER INFORMATION

### **Full text of risk phrases quoted in Sections 2 and 3:**

R21: Harmful in contact with skin.

### **Full text of classifications referred to in Sections 2 and 3:**

Xn: Harmful.

This information is offered in good faith but without guarantee or liability. In cases of doubt, users should consult with relevant authority. Information given herein is supplied for your guidance only and is based upon the results of controlled tests and experience obtained in the application of the product referred to by Decor Ireland. As the supplier only, Decor Ireland has no control over the method or conditions of application of the product and consequently no warranties expressed or implied are intended to be given as to the coverage or performance of the products mentioned or referred to herein and no liability will be excepted for any loss, damage or physical injury from the use or application of the information, data or products mentioned or referred to herein.

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