

# zeroflame®

## FIRE RETARDANT TREATMENT

### HEALTH AND SAFETY DATA

#### 1. IDENTIFICATION OF PRODUCT AND COMPANY

**Product:** Zeroflame Fire Retardant Treatment is an aqueous solution which achieves Class 0 Fire Propagation & Spread of Flame Protection on solid timber.

**Company:** Decor Ireland, 9 Rathdown Close, Lissue Industrial Estate West, LISBURN, BT28 2RB  
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#### 2. HAZARDS IDENTIFICATION

Classified Xi – Irritation: Irritates eyes and skin.

#### 3. COMPOSITION OF PREPARATION

Name	CAS No.	Symbol and Risk	Concentration %
<i>Ferric (III) phosphate</i>	10045-86-0	<i>Xi; R36/38</i>	30%
<i>Citric Acid</i>	77-92-9	<i>Xi; R36</i>	1%
<i>Polyoxyethylene (21) stearyl alcohol</i>	9005-00-9	<i>Xi; R41</i>	0.5%
<i>Water</i>	7732-18-5	-	68.5%

#### 4. FIRST AID MEASURES

**General:** In case of an accident or nausea, the care of a doctor may be necessary. (If possible show this safety data sheet to the attending doctor.)

**Inhalation:** If spray or vapour is inhaled, move to fresh air and if required, consult a doctor.

**Eye Contact:** Rinse immediately with eyes open under clean running water, including below eyelids, for at least 15 minutes.

**Skin Contact:** If there is a spillage of the chemical onto clothing, remove clothes and shoes as soon as possible. Rinse splashes away immediately with clean water. If skin irritation continues, consult a doctor.

**Ingestion:** Rinse the mouth and drink plenty of water.

#### 5. FIRE FIGHTING MEASURES

**Suitable**

**Extinguishing Media:** The product will not self ignite. Use appropriate extinguishing method for the individual circumstances, i.e. water, foam or powder.

**Recommendations:** Thermal decay can cause release of irritating gas and steam. Use breathing apparatus and fireproof protection in case of fire.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Protection:</b>	Ensure that there is sufficient ventilation. Use personal protection equipment as recommended in Section 8.
<b>Environmental Precautions:</b>	Prevent leaks from containers. Do not allow the chemical to contaminate surrounding environment. Do not pour into a watercourse.
<b>Methods for disposal:</b>	Absorb in an inert material such as sand, earth or general cement. Transfer to suitable sealed containers for disposal. Rinse residue away with water.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid contact with skin, eyes, and clothes. Avoid breathing steam/spray. Do not eat or drink when handling the material. Wash hands and face before break and soon after handling the product. Comply with the Health & Safety at Work Laws.
<b>Storage:</b>	Keep container tightly closed in a dry, cool, and well-ventilated place. Do not keep with foodstuff or animal food products.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

<b>Prevention of Exposure:</b>	Choose the type of protective clothing accessories according to the concentration and amount of dangerous material at the workplace.
<b>Respiratory Protection:</b>	Do not breathe sprayed material. Where possible an adequate extractor system should be employed. Use appropriate breathing apparatus if the ventilation is inadequate. For example: breathing apparatus equipped with P3 filter.
<b>Skin Protection:</b>	Protective clothing. Wear clean and uncontaminated clothing. Wear rubber gloves.
<b>Eye Protection:</b>	Closely fitting protection glasses or face guard. Have a bottle of eye-washing water and an eye bath available for use in the event of accidental splashes.
<b>Hygiene Measures:</b>	Never eat drink or smoke in work areas. Comply with good personal hygiene practices after using this material, especially before eating, drinking, smoking or using the toilet. It is advisable not to wear contact lenses when working with chemicals, as they may contribute to the severity of an eye injury.
<b>Prevention of environmental contamination:</b>	Where possible use all materials for its intended purpose. Do not allow the material to contaminate the environment. Do not empty into drains or watercourses.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Colourless	<b>Odour:</b>	None
<b>pH-Value:</b>	2.5	<b>Boiling point/boiling area:</b>	1700°C (active material)
<b>Flashing point:</b>	-	<b>Relative Density:</b>	1250 kg/m <sup>3</sup>
<b>Solubility in water:</b>	100%	<b>Solubility in fat:</b>	Insoluble

## 10. STABILITY AND REACTIVITY

Dangerous polymerization does not occur.

Disintegration does not occur, as long as the product is kept and handled in accordance with the instructions. However, it will form an irritating gas in a fire.

## 11. TOXICOLOGICAL INFORMATION

This product is nontoxic. Irritates skin and eyes. Does not cause cancer.

## 12. ECOLOGICAL INFORMATION

There is no data of such. Ecological damages are neither identified nor expected in normal use.

## 13. DISPOSAL CONSIDERATIONS

Avoid disposal where possible; make an attempt to use the material completely for its intended use. Dispose of in accordance with local and national constitution and local environmental control regulations.

## 14. TRANSPORT INFORMATION

Transport Within User's Premises: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of accident or spillage.

This product is not classified with respect to transport.

## 15. REGULATORY INFORMATION

The product is determined as not hazardous according to the CHIP Regulations.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks as required by other health and safety legislation. The provisions of the Health and Safety at Work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

## 16. OTHER INFORMATION

FULL TEXT OF RISK PHRASES QUOTED IN SECTION 3:

- R36/38: Irritates eyes and skin.  
R36: Irritates eyes.  
R41: Danger of serious damage to eyes.

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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