

**SAFETY DATA SHEET – DS047**  
**Flame-X Flame Retardant**

**1. Identification of the Substance/Mixture and the Company/Undertaking**

- 1.1 Product Name:** Flame-X Flame Retardant PN550, PN545  
**1.2 Relevant Identified Uses of the substance and uses advised against:**  
A fire-retardant for use on fabrics, carpets and upholstery  
**1.3 Details of the Supplier of the Safety Data Sheet:** Maclin Sourcing Solutions Ltd  
Unit A3 Risby Business Park  
Newmarket Road  
Risby, Suffolk, IP28 6RD  
Tel. 01284 810887  
**1.4 Emergency Telephone Number** Office Hours Only: 01284 810887

**2. Hazards Identification**

**2.1 Classification of the substance or mixture**

2.1.1 Regulation (EC) 1272/2008 (CLP) The product has no classification under CLP

**2.2 Label Elements**

The product has no label elements

**2.3 Other hazard**

This product is not identified as a PBT/vPvB substance

**3. Composition Information on Ingredients**

The product is a preparation of inorganic and organic salts and contains the following hazardous ingredient

Ingredient Name	CAS No.	%W/W	CLP Classification
Orthophosphoric Acid	7664-38-2	0.25-2.5%	Skin Corr. 1B: H314

**4. First Aid Measures**

**4.1 Description of First Aid Measures**

- Inhalation** Consult a Doctor  
**Skin Contact:** Wash concentrate from skin with plenty of soap and water  
**Eyes Contact:** Bathe the eye with running water for 15 minutes  
**Ingestion:** Wash out mouth with water

**4.2 Most Important Symptoms and Effects Both Acute and Delayed**

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**Inhalation:** No symptoms  
**Skin Contact:** There may be mild irritation at the site of contact  
**Eyes Contact:** There may be irritation and redness  
**Ingestion:** There may be irritation of the throat

No special medical treatment required

## 5. Fire Fighting Measures

**5.1 Extinguishing Media:** Use Extinguishing Media Appropriate For Surrounding Fire  
**5.2 Special Hazards Arising From The Substance or Mixture:** In combustion emits toxic fumes  
**5.3 Advice for Fire Fighters:** Wear self contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes

## 6. Accidental Release Measures

**6.1 Personal precautions, protective equipment and emergency procedures**  
 Mark out the contaminated area with spill signs and prevent access to unauthorised personnel. Use suitable protective clothing see section 8 of the SDS  
**6.2 Environmental Precautions**  
 Do not discharge into drains or rivers. Contain the spillage using spill kits and bunding  
**6.3 Methods and material for containment and cleaning up**  
 Small spills can be mopped up with water. Larger spills should be absorbed with a spill kit and disposed of under local authority procedures  
**6.4 Reference to Other Section**  
 See sections 8

## 7. Handling & Storage

**7.1 Precautions for safe handling:**  
 Avoid spilling, skin and eye contact.  
**7.2 Conditions for safe storage, including any incompatibilities:**  
 Keep in cool, dry, ventilated storage and the container should be tightly closed when not in use.  
**7.3 Specific End Use (s)**  
 Keep in original container no specific data available

## 8. Exposure Controls/Personal Protection

**8.1 Control Parameters**  
 Haradous ingredient: Orthophosphoric Acid 100%

State	Workable Exposure Limits		Respirable Dust	
	8 Hour TWA	15 Min STEL	8 Hour TWA	15 Min STEL
UK	1mg/M3	2mg/M3	-	-

**8.2 Exposure Controls**  
**8.2.1 Engineering Controls** Ensure there is sufficient ventilation in the area

<b>8.2.2 Respiratory protection</b>	None required under normal usage. In poorly ventilated areas Suitable respiratory protection must be provided
<b>8.2.3 Hand protection:</b>	Wear protective gloves
<b>8.2.4 Eye Protection:</b>	Wear safety goggles
<b>8.2.5 Skin Protection</b>	Wear protective clothing
<b>8.2.6 Environmental</b>	Prevent from entering in public sewers or the immediate environment

## 9. Physical & Chemical Properties

### 9.1 Information on the basic physical and chemical properties

<b>Colour:</b>	Clear Liquid
<b>Odour:</b>	Slight
<b>Solubility Description:</b>	Fully Soluble in All Proportions
<b>Specific Gravity:</b>	1.2 – 1.22 @20°C
<b>Boiling Point:</b>	>100°C
<b>Flash Point</b>	>100°C
<b>Vapour Pressure</b>	23hpa
<b>pH:</b>	6

## 10. Stability and Reactivity

<b>10.1 Reactivity:</b>	Stable under recommended transport or storage conditions
<b>10.2 Chemical Stability:</b>	Stable under recommended transport or storage conditions
<b>10.3 Possibility of Hazardous Reactions:</b>	Hazardous reactions will not occur under recommended transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below
<b>10.4 Conditions to Avoid:</b>	Heat
<b>10.5 Incompatible Materials:</b>	Strong oxidising agents or Acids
<b>10.6 Hazardous decomposition products:</b>	In combustion emits toxic fumes

## 11. Toxicological Information

### 11.1 Information on Toxicological Effects

#### 11.1.1 Acute Oral Toxicity

No specific information is available but the mixture is expected to be of low toxicity

#### 11.1.2 Skin Corrosion/Irritation

May cause mild skin irritation with prolonged contact

#### 11.1.3 Eye Damage/irritation

May cause some eye irritation

#### 11.1.4 Respiratory damage

No specific information is available but the mixture is expected to be of low toxicity

## 12. Ecological Information

### 12.1 Toxicity

No specific information is available

### 12.2 Persistence and degradability

Ingredients degrade readily in the environment

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### 12.3 Bio-accumulative potential

No bioaccumulation potential

### 12.4 Mobility in soil

The product is water soluble and readily absorbed into soil

### 12.5 Results of PBT and vPvP assessment

This product is not identified as a PBT/vPvB substance

### 12.6 Other adverse effects

Negligible Eco toxicity

## 13. Disposal Considerations

### 13.1 Waste treatment methods

Dispose According To Local Regulations

### 13.2 Disposable of packaging

May be reused following decontamination

## 14. Transport Information

**No Transport Warning Sign Required**

## 15. Regulatory Information

<b>EU Directives:</b>	Regulation (EU) No 2015/630
<b>Other Provisions</b>	The regulatory information above only indicates the principal regulations specifically applicable to the products described in this SDS. Attention must be drawn to the possible existence of additional provisions which complete these regulations. Please refer to all applicable national, international and local regulations or provisions.
<b>Chemical Safety Assessment</b>	A Chemical safety assessment has not been carried out for the substance by the Supplier

## 16. Other Information

**H314:** Causes severe burns and eye damage

**Revision Date:** 14<sup>th</sup> June 2023

**Legal Disclaimer:** The above information is believed to be correct but does not purport to be inclusive and shall be used only as a guide. It is at all time the responsibility of the user to take all necessary steps to comply with legal requirements and local regulations. This business shall not be held liable for any damage resulting from handling or from contact with the above product

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