

**SAFETY DATA SHEET**  
FIRE VARNISH ACTIVATOR PART A

Page: 1

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**Section 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product name:** FIRE VARNISH ACTIVATOR PART A

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Use of substance / mixture:** Acid Catalyst for Clear Fire Varnish Base Part B

**1.3. Details of the supplier of the safety data sheet**

**Company name:** Thermoguard UK Ltd  
Unit B Marlborough Court  
Bennerley Road  
Nottingham  
Nottinghamshire  
NG6 8UY  
United Kingdom  
**Tel:** 0115 976 4455  
**Fax:** 0115 976 4488  
**Email:** [thermoguard@live.com](mailto:thermoguard@live.com)

**1.4. Emergency telephone number**

**Emergency tel:** 01624 825 115  
(office hours only)

**Section 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification under CHIP:** C: R34

**Most important adverse effects:** Causes burns.

**2.2. Label elements**

**Label elements under CHIP:**

**Hazard symbols:** Corrosive.



**Risk phrases:** R34: Causes burns.

**Safety phrases:** S2: Keep out of the reach of children.  
S23: Do not breathe vapour/spray.

[cont...]

# SAFETY DATA SHEET

## FIRE VARNISH ACTIVATOR PART A

Page: 2

S24/25: Avoid contact with skin and eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28: After contact with skin, wash immediately with plenty of water.

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

S38: In case of insufficient ventilation, wear suitable respiratory equipment.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S60: This material and its container must be disposed of as hazardous waste.

### 2.3. Other hazards

**PBT:** This substance is not identified as a PBT substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

##### ORTHOPHOSPHORIC ACID

EINECS	CAS	CHIP Classification	CLP Classification	Percent
231-633-2	7664-38-2	C: R34	Skin Corr. 1B: H314	10-30%

##### THEIC

212-660-9	839-90-7	Xi: R36/37/38	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335; STOT SE 3: H336	1-10%
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##### P-TOLUENESULPHONIC ACID (CONTAINING A MAXIMUM OF 5% H2SO4)

203-180-0	104-15-4	Xi: R36/37/38	Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315	1-10%
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##### ETHANOL

200-578-6	64-17-5	F: R11 Substance with a Community workplace exposure limit.	Flam. Liq. 2: H225	1-10%
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**Contains:** Phosphoric Acid

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin.

Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

[cont...]

# SAFETY DATA SHEET

## FIRE VARNISH ACTIVATOR PART A

Page: 3

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. Consult a doctor.

### 4.2. Most important symptoms and effects, both acute and delayed

**Skin contact:** Corrosive - prolonged contact may cause serious tissue damage

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** Corrosive - even small amounts can cause serious damage

**Inhalation:** Exposure to organic solvent vapours in excess of stated occupational exposure limits may result in adverse health effects

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

### 4.3. Indication of any immediate medical attention and special treatment needed

**Immediate / special treatment:** Show this safety data sheet to the doctor in attendance. In all cases of doubt, or when symptoms persist seek medical attention. Eye bathing equipment should be available on the premises.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** extinguish with foam, dry powder, carbon dioxide or water fog Use water spray to cool containers.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** Corrosive. In combustion emits toxic fumes.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Do not allow run off to enter watercourses or drains

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Avoid breathing any vapours Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

[cont...]

# SAFETY DATA SHEET

## FIRE VARNISH ACTIVATOR PART A

Page: 4

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the inhalation of vapours and/or spray mists Do not handle in a confined space. Smoking ,eating and drinking should be prohibited in mixing and application area Do not allow to enter drains or watercourses

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** store between 5 and 30oC in a dry well ventilated area Keep container tightly closed.

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

**Specific end use(s):** The identified uses for this product are detailed in Section 1.2 Acid Component Part A for Use with Fire Varnish Resin Base Part B refer to Application Instructions before using this product

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

ORTHOPHOSPHORIC ACID...100%

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1 mg/m3	2 mg/m3	-	-

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** in case of insufficient ventilation Respiratory protection must be used if the general level exceeds the recommended occupational exposure limit If spraying respiratory protection will be required

**Hand protection:** Impermeable gloves.

**Eye protection:** Tightly fitting safety goggles. Ensure eye bath is to hand.

**Skin protection:** Impermeable protective clothing.

## Section 9: Physical and chemical properties

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

**State:** Liquid

**Colour:** Pale yellow

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**SAFETY DATA SHEET**  
FIRE VARNISH ACTIVATOR PART A

Page: 5

**Odour:** Barely perceptible odour  
**Solubility in water:** Soluble  
**Viscosity:** Thin Liquid  
**Viscosity test method:** BS B4 Cup @20 C  
**Boiling point/range°C:** >100  
**Flash point°C:** >100  
**Relative density:** 1.3  
**pH:** 1.0 - 1.5  
**VOC g/l:** 25 - 30

**9.2. Other information**

**Other information:** Refer to Fire Varnish Application instructions before using Mix in the Ratio of 2 parts of Resin Base Part B to 1 part of Activator Part A by volume Pot life when mixed approximately 2 hours dependant on Temperature, Humidity and season of the year VOC Content: EU limit for this product (cat A/j) is 140 g/l

**Section 10: Stability and reactivity**

**10.1. Reactivity**

**Reactivity:** Stable under recommended transport or storage conditions. In a Fire, hazardous composition products may be produced

**10.2. Chemical stability**

**Chemical stability:** Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

**10.4. Conditions to avoid**

**Conditions to avoid:** Heat.

**10.5. Incompatible materials**

**Materials to avoid:** Strong oxidising agents. Strong acids. Strong bases.

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** In combustion emits toxic fumes.

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Relevant effects for mixture:**

Effect	Route	Basis
Corrosivity	OPT INH DRM	Hazardous: calculated

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**SAFETY DATA SHEET**  
FIRE VARNISH ACTIVATOR PART A

Page: 6

**Symptoms / routes of exposure**

**Skin contact:** Corrosive - prolonged contact may cause serious tissue damage

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** Corrosive - even small amounts can cause serious damage

**Inhalation:** Exposure to organic solvent vapours in excess of stated occupational exposure limits may result in adverse health effects

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

**Other information:** In all cases of doubt or where symptoms persist obtain medical attention

**Section 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicity values:** Not applicable.

**12.2. Persistence and degradability**

**Persistence and degradability:** No data available.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No data available.

**12.4. Mobility in soil**

**Mobility:** No data available.

**12.5. Results of PBT and vPvB assessment**

**PBT identification:** This substance is not identified as a PBT substance.

**12.6. Other adverse effects**

**Other adverse effects:** No data available.

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Waste code number:** 08 01 12

**Disposal of packaging:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information**

**14.1. UN number**

**UN number:** UN1760

[cont...]

**SAFETY DATA SHEET**  
FIRE VARNISH ACTIVATOR PART A

Page: 7

**14.2. UN proper shipping name**

**Shipping name:** CORROSIVE LIQUID, N.O.S.

**14.3. Transport hazard class(es)**

**Transport class:** 8

**14.4. Packing group**

**Packing group:** 111

**14.5. Environmental hazards**

**Environmentally hazardous:** No

**Marine pollutant:** No

**14.6. Special precautions for user**

**Special precautions:** Always transport in upright sealed containers Ensure that persons transporting the product what to do in the event of an accident or spillage

**Tunnel code:** E

**Transport category:** 3

**Section 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**Section 16: Other information**

**Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and 3:** H225: Highly flammable liquid and vapour.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

R11: Highly flammable.

R34: Causes burns.

R36/37/38: Irritating to eyes, respiratory system and skin.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.