

ZEROflame™ COMPONENT B BASE COAT

HEALTH AND SAFETY DATA

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product: Zeroflame Base Coat (Component B) is a component of a two coat varnish system which achieves Class 0 and Class 1 Fire Propagation and Spread of Flame fire protection on timber and timber derived substrates.

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2. HAZARDS IDENTIFICATION

This preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification: C; R34
Human Health Hazards: Causes hazards

3. COMPOSITION OF PREPARATION

Name	CAS No.	Symbol and Risk	% by Weight
Phosphoric acid ester	094031-26-2	C; R34	70-80
Orthophosphoric acid...%	007664-38-2	C; R34	15-20

4. FIRST AID MEASURES

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If potentially dangerous quantities of this material have been swallowed, call a physician immediately.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin Contact: Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Non-combustible. Use an extinguishing agent suitable for the surrounding fire.

Special exposure hazards: No specific hazards.

5. FIRE FIGHTING MEASURES cont...

Hazardous thermal decomposition products: In a fire, the following may be released: phosphates.

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: Immediately contact emergency personnel. Use suitable protective equipment (section 8).

Environmental Precautions: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Methods for disposal: If emergency personnel are unavailable, contain spilt material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dyke spilt material or otherwise contain it to ensure runoff does not reach a waterway. Place spilt material in an appropriate container for disposal.

7. HANDLING AND STORAGE

Handling: Do not get in eyes, on skin or on clothing. Wash thoroughly after handling.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Ingredient Name	Occupational Exposure Limits
<i>Orthophosphoric acid...%</i>	EH40-WEL (UK, 2005). TWA: 1 mg/m ³ 8 hour(s).
<i>Formaldehyde...0.1-1%</i>	EH40-WEL (UK, 2005). TWA: 2.5 mg/m ³ 8 hour(s).

Prevention of Exposure: Spray – Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value.

Respiratory Protection: A respirator is not needed under normal and intended conditions of product use. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

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. >8 hour(s) (breakthrough time): Impervious gloves.

Eye Protection: Safety glasses. Chemical splash goggles. 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: Protective clothing. Repeated or prolonged contact with irritants may cause dermatitis.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid (Clear) **Odour:** Odourless

pH: 2 **Boiling point/boiling area:** >100°C

9. PHYSICAL AND CHEMICAL PROPERTIES cont...

Flammability:	Non-flammable	Relative Density:	1.41 g/cm ³
Solubility:	Easily soluble in cold and hot water, methanol, acetone		

10. STABILITY AND REACTIVITY

The product is stable. Avoid low temperatures. Avoid alkalis and metals. In a fire phosphates may be released.

11. TOXICOLOGICAL INFORMATION

May give off gas, vapour or dust that is very irritating or corrosive to the respiratory system. May cause burns to mouth, throat and stomach. Corrosive to the skin and eyes. Causes burns.

Over exposure symptoms may include stomach pains if ingested; pain or irritation, redness or blistering if in contact with the skin; pain, watering or redness if in contact with the eyes.

No components of this material are listed as carcinogens by OSHA, NTP, ACGIH or IARC.

12. ECOLOGICAL INFORMATION

Not readily biodegradable.

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, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. The classification of the product may meet the criteria for a hazardous waste.

14. TRANSPORT INFORMATION

UN Number:	1760
Proper shipping name:	Corrosive liquid, n.o.s. (Phosphoric acid)
Class:	8
Packing Group:	III
Additional info:	Emergency schedules (EmS) F-A, S-B

15. REGULATORY INFORMATION

Risk phrases:	R34: Causes burns
Safety phrases:	S26: In case of contact with skin, rinse immediately with plenty of soap and water and seek medical advice. S28: After contact with skin, wash immediately with plenty of soap and water. S36/37/39: Wear suitable protective clothing, gloves and eye/face protection. S45: In case of accident, or if you are feel unwell, seek medical advice immediately (show container label where possible).

15. REGULATORY INFORMATION cont...

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

16. OTHER INFORMATION

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

R34: Causes burns.

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

C: Corrosive

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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