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**HEALTH & SAFETY DATA SHEET**

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(1) **PRODUCT INFORMATION**

**FIRE VARNISH ACTIVATOR**

Intended Use Hardener for Fire Varnish.

(2) **COMPOSITION – INFORMATION ON INGREDIENTS**

Substances presenting a health & environmental hazard within the meaning of the CHIPS regulations or which are assigned occupational exposure limits.

Chemical Name	CAS No.	EC No.	Classification	Concentration %
Phosphoric Acid	7664-38-2	231-633-2	C	< 5

(3) **HAZARD IDENTIFICATION**

Risk Phrases

R34 Causes burns

R36 Risk of damage to eyes

Harmful if ingested- do not eat this product.

(4) **FIRST AID MEASURES**

Eye Contact - Irrigate with copious amounts of clean water holding eyelid open.

Skin contact - Remove contaminated clothing, wash skin thoroughly with warm water.

Ingestion - If swallowed do not induce vomiting. Obtain medical attention.

(5) **FIRE FIGHTING MEASURES**

Fire will produce dense smoke containing harmful products of combustion.

Use dry foam, CO<sub>2</sub>, powder or water spray/mist extinguishers.

UNSUITABLE HAZARDOUS EXTINGUISHERS – Water Jet.

Cool containers exposed to fire with water spray mist.

Fire Fighters - Wear suitable respiratory protection.

(6) **ACCIDENTAL RELEASE MEASURES**

Contain and collect spillages with non-combustible absorbent materials e.g. Sand, earth.

Do not allow to enter drains. Refer to 8 & 7 for protective measures.

Avoid the use of solvents.

(7) **HANDLING & STORAGE**

Avoid contact with skin and eyes.

Store in closed containers above 5°C in cool or room temperatures.

Keep away from children, food and drink.

(8) **PERSONAL PROTECTION & EXPOSURE CONTROLS**

Provide ventilation during application and drying.

Avoid inhalation of spray mist during application. Wear suitable mask during spray application or working overhead. Wear suitable goggles during application. Wear rubber gloves or barrier cream.

Avoid contact with skin, eyes or clothing. Wash hands after use. Keep away from food & drink.

Operator Exposure Limits 1mg/cu m 8 hr TWA. 2mg/cu m 15 mins STEL

TWA= Long term exposure, 8 hour time weighted average. STEL+ Short term exposure 15 mins

(9) PHYSICAL DATA

Appearance –clear/milky viscous liquid. Odour – pungent.

PH 3. Boiling Point 80-100°C Flash Point > 100°C. Ignition 470°C. Density 1.3

Solubility – Miscible in water.

(10) STABILITY & REACTIVITY

Stable under recommended storage conditions. Avoid strong acids & oxidising agents.

Hazardous Decomposition Products – Carbon Dioxide CO<sub>2</sub>. Carbon Monoxide CO, Nitrogen Oxide NO<sub>x</sub>, dense black smoke.

(11) TOXICOLOGICAL INFORMATION

Skin Irritation Classification – mild skin irritation

Eye Irritation Classification – irritating to eyes. Risk of serious damage to eyes.

Sensitisation May cause sensitisation by prolonged skin contact.

(12) ECOLOGICAL INFORMATION

Not dangerous to the environment

Do not allow to enter watercourses.

(13) WASTE DISPOSAL

Dispose of as per requirements of Pollution Control Act as contaminated waste.

Classification for disposal – 09 01 12 waste paint and varnish other than mentioned in 08 01 11.

Incineration must be in suitable incineration plant holding appropriate permit.

(14) TRANSPORT INFORMATION

UN 1805 UN Shipping name – Paint Related Material

UN Class 8 UN packing Group 3 Non Flammable Product

Not classified as dangerous for carriage for land transport

Not classified as dangerous for carriage for sea transport

Up to 2.5 litres can be carried in an IATA box for air transport

(15) REGULATORY INFORMATION

EU value for Cat A (j) WB product is 140g/litre (2007) & 140g/litre (2010)

Maximum VOC level for this product is 2% = 20g/litre

Symbol Xi Irritant

R Phrases R43 May cause sensitisation by skin contact

R36 Irritating to eyes

R34 May cause burns

S Phrases S24 Avoid skin contact

S37 Wear suitable gloves

S39 Wear eye protection

S60 Material should be disposed of as hazardous waste

(16) OTHER INFORMATION

R34 Causes burns

R43 May cause sensitisation by skin contact.