

HEALTH & SAFETY DATA SHEET

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(1) PRODUCT INFORMATION

FIRE VARNISH BASE

Intended Use Clear fire protection coating for wood.

(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 %
Formaldehyde	50-00-0	200-001-8	R40 Carc. Cat 3 T.R23/24/25 C: R34 R43	0.2-0.3

(3) HAZARD IDENTIFICATION

Irritant

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, CO₂, 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

Ventilate the area. Avoid inhalation of vapour.

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

(7) HANDLING & STORAGE

Do not breath spray mist or concentrations of vapour. Use only in well ventilated areas.

Avoid contact with skin and eyes.

Store in closed containers in cool or room temperatures away from strong acids or alkalis.

Keep away from children, food and drink.

(8) PERSONAL PROTECTION & EXPOSURE CONTROLS

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.

Formaldehyde-CAS No. 500-00-0. Control Parameters 2.5mg/m³, 2ppm. Basis-EH40 WEL

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

Occupational Exposure Limits 2.5mg/m³. 2ppm.

(9) PHYSICAL DATA

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

PH 9. Boiling Point 60-100°C Flash Point > 100°C. Ignition 470°C. Density 1.3

Solubility – Miscible in water.

(10) STABILITY & REACTIVITY

Avoid strong acids and oxidising agents.

Hazardous Decomposition Products – Carbon Dioxide CO₂. Carbon Monoxide CO, Nitrogen Oxide NO_x, dense black smoke. Ammonia, Alcohols, Formaldehyde.

(11) TOXICOLOGICAL INFORMATION

Acute Oral Toxicity (Formaldehyde) – LD₅₀ rat. Dose > 5000mg/Kg Acute oral toxicity 100mg/Kg

Skin Irritation Rabbit. Classification – mild skin irritation

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

Sensitisation May cause sensitisation by prolonged skin contact.

Carcinogenicity Animal experiments showed significant number of tumours in repeated high concentrations over prolonged periods.

(12) ECOLOGICAL INFORMATION

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

Non-Flammable Product

Not classified as dangerous for carriage for land transport.

Not classified as dangerous for carriage for sea transport.

Not classified as dangerous goods 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

S Phrases S24 Avoid skin contact

S37 Wear suitable gloves

S60 Material should be disposed of as hazardous waste

(16) OTHER INFORMATION

R40 Limited evidence of carcinogenic effect

R34 Causes burns

R43 May cause sensitisation by skin contact

R23/24/25 Toxic danger of serious irreversible effects through inhalation, in contact with skin and if swallowed.