

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

1.1. Product identifier

Product name: * FIRE VARNISH BASE NG

Product code: * FVTHERMBA

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

Use of substance / mixture: Resin component of Clear Fire Varnish.To be mixed with Fire Varnish Activator part A to produce a liquid air drying clear varnish for the coating of timber. applied by brush,roller or spray For professional and industrial use only

1.3. Details of the supplier of the safety data sheet

Company name: Thermoguard UK Ltd

Kirkby Street

Hull

HU2 0HE

United Kingdom

Tel: 01142 768 008

Fax: 01624 825 526

Email: technical@thermoguard.co.uk

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 CLP: Carc. 1B: H350; Skin Sens. 1: H317

Most important adverse effects: May cause an allergic skin reaction. May cause cancer route not known.

2.2. Label elements

Label elements:

Hazard statements: H317: May cause an allergic skin reaction.

H350: May cause cancer route not known.

Hazard pictograms: GHS07: Exclamation mark

GHS08: Health hazard



Signal words: Danger

SAFETY DATA SHEET

FIRE VARNISH BASE NG

Page: 2

Precautionary statements: P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+352: IF ON SKIN: Wash with plenty of water/.
P308+313: IF exposed or concerned: Get medical advice/attention.
P321: Specific treatment (see medical advice on this label).

2.3. Other hazards

Other hazards: Danger of serious damage to health by prolonged exposure.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

METHANOL

EINECS	CAS	PBT / WEL	CLP Classification	Percent
200-659-6	67-56-1	-	Flam. Liq. 2: H225; Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; STOT SE 1: H370	<1%

FORMALDEHYDE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
200-001-8	50-00-0	-	Carc. 1B: H350; Muta. 2: H341; Acute Tox. 3: H301; Acute Tox. 3: H311; Acute Tox. 3: H331; Skin Corr. 1B: H314; Skin Sens. 1: H317	<1%

Contains: * Formaldehyde
methanol

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.
Consult a doctor. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Give nothing by mouth If unconscious and breathing is OK, place in the recovery position.
Consult a doctor.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

[cont...]

SAFETY DATA SHEET

FIRE VARNISH BASE NG

Page: 3

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: Exposure to organic solvent vapours in excess of stated occupational exposure limits may result in adverse health effects There may be irritation of the throat. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Exposure to organic solvent vapours in excess of the stated occupational exposure limit may result in adverse health effects Repeated or prolonged contact with the product may cause removal of natural oils and fats from the skin

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

Immediate / special treatment: In all cases of doubt, or when symptoms persist seek medical attention. Show this safety data sheet to the doctor in attendance.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Alcohol resistant foam. Carbon dioxide. Dry chemical powder. Water spray. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In the event of Fire and/or explosion do NOT breathe Fumes. 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: 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. Evacuate the area immediately.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding. If the product enters Drains or Water courses, the local water company should be contacted immediately.

6.3. Methods and material for containment and cleaning up

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

[cont...]

SAFETY DATA SHEET

FIRE VARNISH BASE NG

Page: 4

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Avoid the formation or spread of mists in the air. Ensure there is sufficient ventilation of the area. Always wash your hands before eating, smoking or using the toilet. Smoking, eating and drinking should be prohibited in mixing and application area. In case of insufficient ventilation wear suitable respiratory protection.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: observe label precautions. Store in a cool, 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 of this product are detailed in section 1 refer to Application Instructions before using this product.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

METHANOL

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	266 mg/m ³	333 mg/m ³	-	-

FORMALDEHYDE...100%

UK	2.5 mg/m ³	2.5 mg/m ³	-	-
----	-----------------------	-----------------------	---	---

DNEL/PNEC Values

Hazardous ingredients:

METHANOL

Type	Exposure	Value	Population	Effect
DNEL	Dermal	40 mg/kg/day	Workers	Systemic
DNEL	Inhalation	260 mg/m ³	Workers	Systemic

[cont...]

SAFETY DATA SHEET

FIRE VARNISH BASE NG

Page: 5

DNEL	Inhalation	50 mg/m ³	Consumers	Systemic
DNEL	Oral	8 mg/kg/day	Consumers	Systemic
PNEC	Fresh water	154 mg/l	-	-
PNEC	Marine water	15.4 mg/l	-	-
PNEC	Soil (agricultural)	23.5 mg/kg	-	-
PNEC	Fresh water sediments	77mg/kg	-	-
PNEC	Marine sediments	7.7 mg/kg	-	-

FORMALDEHYDE...100%

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	9 mg/m ³	Workers	Systemic
DNEL	Inhalation	0.5 mg/m ³	Workers	Local
DNEL	Inhalation	1 mg/m ³	Workers	Local
DNEL	Dermal	250 mg/kg/day	Workers	Systemic
DNEL	Dermal	37 ug/m ²	Workers	Local
DNEL	Inhalation	3.2 mg/m ³	Consumers	Systemic
DNEL	Dermal	102 mg/kg/day	Consumers	Local
DNEL	Dermal	12 ug/m ²	Consumers	Local
DNEL	Oral	4.1 mg/m ³	Consumers	Systemic
PNEC	Fresh water	0.47 mg/l	-	-
PNEC	Marine water	0.47 mg/l	-	-
PNEC	Fresh water sediments	2.44 mg/kg	-	-
PNEC	Marine sediments	2.44 mg/kg	-	-
PNEC	Soil (agricultural)	0.21 mg/kg	-	-

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. where practical by use of local exhaust ventilation

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency. Respiratory protection must be used if the general level exceeds the recommended occupational exposure limit Air fed mask fitted with appropriate filters must be used when spraying.

Hand protection: Impermeable gloves. the instructions and information provided by the glove manufacturer on use storage maintenance and replacement must be followed

Eye protection: Safety glasses. manufactured and tested to EN 166and designed to protect against splashes Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

Environmental: Handle in accordance with good industrial hygiene and safety practices Prevent from entering in public sewers or the immediate environment.

Section 9: Physical and chemical properties

[cont...]

SAFETY DATA SHEET

FIRE VARNISH BASE NG

Page: 6

9.1. Information on basic physical and chemical properties

State:	Liquid	
Colour:	water-white	
Odour:	formaldehyde-like	
Evaporation rate:	No data available.	
Oxidising:	No data available.	
Solubility in water:	Miscible	
Viscosity:	Viscous	
Kinematic viscosity:	5.5-7.5 p	
Viscosity test method:	rotothinner@20oC	
Boiling point/range°C:	100oC	Melting point/range°C: Not applicable.
Flammability limits %: lower:	No data available.	upper: No data available.
Flash point°C:	Not applicable.	Part.coeff. n-octanol/water: No data available.
Autoflammability°C:	No data available.	Vapour pressure: No data available.
Relative density:	1.2-1.3	pH: Approx. 8.5-9.5
VOC g/l:	26 g/l	

9.2. Other information

Other information: Please read information on the labels before using Refer to Fire Varnish Application instructions before using Pot life when mixed approximately 2 hours dependant on Temperature, Humidity and season of the year

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

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. Hot surfaces. Flames.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

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

[cont...]

SAFETY DATA SHEET

FIRE VARNISH BASE NG

Page: 7

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
VAPOURS	MUS	4H LC50	43.68	mg/l
DERMAL	RBT	LD50	17100	mg/kg
ORAL	MUS	LD50	7000	mg/kg

Hazardous ingredients:

METHANOL

IVN	RAT	LD50	2131	mg/kg
ORL	MUS	LD50	7300	mg/kg
ORL	RAT	LD50	5628	mg/kg

FORMALDEHYDE...100%

ORL	MUS	LD50	42	mg/kg
ORL	RAT	LD50	100	mg/kg
SCU	RAT	LD50	420	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Respiratory/skin sensitisation	DRM	Hazardous: calculated
Carcinogenicity	--	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: Exposure to organic solvent vapours in excess of stated occupational exposure limits may result in adverse health effects There may be irritation of the throat. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Exposure to organic solvent vapours in excess of the stated occupational exposure limit may result in adverse health effects Repeated or prolonged contact with the product may cause removal of natural oils and fats from the skin

Other information: Repeated or Prolonged contact with the product may lead to the removal of natural fats from the skin, resulting non allergic contact dermatitis and absorption through the skin. formaldehyde is released during curing. it is irritating to the mucous membraines and may cause skin sensitisation In all cases of doubt or where symptoms persist obtain medical attention

[cont...]

SAFETY DATA SHEET

FIRE VARNISH BASE NG

Page: 8

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

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: Drained and rigorously scraped out empty containers are controlled wastes and should be disposed of according with the regulations made under the Control of Pollution Act and Environmental Protection Act

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

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: regulation(EC) No 1907/2006 of the European parliament and the council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and restriction of Chemicals (REACH) Regulation(EC) NO 1272/2008 of the European parliament and Council on 18 December 2008 on Classification,labelling,packaging of substances and mixtures(as amended)

[cont...]

SAFETY DATA SHEET

FIRE VARNISH BASE NG

Page: 9

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 (EC) No 1272/2008.

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

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

H301: Toxic if swallowed.

H311: Toxic in contact with skin.

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H331: Toxic if inhaled.

H341: Suspected of causing genetic defects <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H350: May cause cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H370: Causes damage to organs <or state all organs affected, if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

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.

Thermoguard H&S Dept