

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

1.1. Product identifier

Product name: THERMOGUARD TIMBERCOAT

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

Use of substance / mixture: An air drying water borne flame retardant coating for use on surfaces within buildings. A water-borne Air drying Intumescent Paint for Timber Surfaces

1.3. Details of the supplier of the safety data sheet

Company name: Thermoguard Ltd

Kirkby Street

Hull

Yorkshire

HU2 0HE

United Kingdom

Tel: 01142 768 008

Fax: 01624 825526

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: This product has no classification under CLP.

2.2. Label elements

Label elements:

Precautionary statements: P102: Keep out of reach of children.

P103: Read label before use.

P101: If medical advice is needed, have product container or label at hand.

P262: Do not get in eyes, on skin, or on clothing.

P260: Do not breathe dust/fumes/gas/mist/vapours/spray.

P271: Use only outdoors or in a well-ventilated area.

P285: In case of inadequate ventilation wear respiratory protection.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P302+350: IF ON SKIN: Gently wash with plenty of soap and water.

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P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313: If eye irritation persists: Get medical advice/attention.

P501: Dispose of contents/container to licenced waste disposal company.

2.3. Other hazards

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

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

FR CROS 484

EINECS	CAS	PBT / WEL	CLP Classification	Percent
269-789-9	68333-79-9	Substance with a Community workplace exposure limit.	-	10-30%

MELAMINE - REACH registered number(s): 01-2119485947-16-0004

203-615-4	108-78-1	Substance with a Community workplace exposure limit.	-	10-30%
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PENTAERITHRITOL - REACH registered number(s): 01-2119485947-16-0004

204-104-9	115-77-5	Substance with a Community workplace exposure limit.	-	1-10%
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TITANIUM DIOXIDE - REACH registered number(s): 05-2114473997-25-0000

236-675-5	13463-67-7	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319	1-10%
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Non-classified ingredients:

ACTICIDE BFM

EINECS	CAS	PBT / WEL	CLP Classification	Percent
-	-	-	Acute Tox. 4: H312+332; Skin Sens. 1: H317; Aquatic Chronic 3: H412; STOT RE 2: H373; Eye Irrit. 2: H319; Skin Sens. 1A: H317; Skin Sens. 1B: H317; Acute Tox. 4: H302+312+332; Acute Tox. 4: H332	<1%

TEXANOL ESTER ALCOHOL - REACH registered number(s): 01-2119441305-48-0000

246-771-9	25265-77-4	-	-	<1%
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ACTICIDE MKX

-	-	-	Resp. Sens. 1: H334; Carc. 2: H351; Aquatic Chronic 1: H410; Skin Sens. 1: H317; Resp. Sens. 1A: H334; Resp. Sens. 1B: H334; Skin Sens. 1A: H317; Skin Sens. 1B: H317	<1%
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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. Wash immediately with plenty of soap and water. Do NOT use solvent or thinners In all cases of doubt or when symptoms persist. Seek medical attention

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

Ingestion: Keep at rest Do not induce vomiting. Wash out mouth with water. Obtain immediate medical attention

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Move to fresh air in case of accidental inhalation of vapours. Keep the patient warm and at rest Consult a doctor. If unconscious and breathing is OK, place in the recovery position.

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

Skin contact: There may be mild irritation at the site of contact. repeated exposure may cause skin dryness and/or cracking

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No data available.

Delayed / immediate 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: eye washing equipment should be available In all cases of doubt, or when symptoms persist seek medical attention.

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: In combustion emits toxic fumes.

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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. cool closed containers exposed to fire with water 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: Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

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.

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. Do not handle in a confined space. Avoid the inhalation of vapours and/or spray mists Avoid the formation or spread of mists in the air. Always wash your hands before eating, smoking or using the toilet Wear protective gloves, eye and face protection

7.2. Conditions for safe storage, including any incompatibilities

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

Suitable packaging: Must only be kept in original packaging. keep containers upright and tightly closed

7.3. Specific end use(s)

Specific end use(s): the identified uses of this product are detailed in section 1

Section 8: Exposure controls/personal protection

8.1. Control parameters

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Hazardous ingredients:

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Workplace exposure limits:

Respirable dust

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

MELAMINE

UK	-	-	4 mg/m3	21 mg/m3
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PENTAERITHRITOL

UK	-	-	4 mg/m3	20 mg/m3
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TITANIUM DIOXIDE

UK	-	-	4 mg/m3	-
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DNEL/PNEC Values

Hazardous ingredients:

PENTAERITHRITOL

Type	Exposure	Value	Population	Effect
PNEC	Fresh water	1.8 mg/l	-	-
PNEC	Marine water	0.18 mg/l	-	-
PNEC	Soil (agricultural)	0.57 mg/l	-	-
PNEC	Oral (developmental tox)	7300 mg/l	-	-
DNEL	Dermal	31.6 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation	21 mg/m3	Workers	Systemic
DNEL	Dermal	6.3 mg/kg bw/day	Consumers	Systemic
DNEL	Inhalation	2.2 mg/m3	Consumers	Systemic
DNEL	Oral	0.63 mg/kg bw day	Consumers	Systemic

8.2. Exposure controls

Engineering measures: where practical by use of local exhaust ventilation Avoid inhalation of vapours Observe any occupational exposure limits for the product

Respiratory protection: in case of insufficient ventilation suitable respiratory equipment should be used

Hand protection: Protective 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 166 and designed to protect against splashes

Skin protection: Impermeable protective clothing.

Environmental: Handle in accordance with good industrial hygiene and safety practices

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Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid
Colour: White
Odour: Barely perceptible odour
Solubility in water: Miscible in all proportions
Viscosity: Viscous
Relative density: 1.32 **pH:** 8
VOC g/l: 16

9.2. Other information

Other information: VOC Content:EU limit for this product (cat A/i) is 140 g/l

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.

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.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

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ORAL	RBT	LD50	>2000	mg/kg
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MELAMINE

DERMAL	RBT	LD50	>1000	mg/kg
ORAL	RAT	LD50	3100	mg/kg

PENTAERITHRITOL

DUST/MIST	RAT	LD50	22500	mg/kg
ORAL	RAT	LD50	5110	mg/kg

TITANIUM DIOXIDE

DERMAL	RBT	LD50	>10000	mg/kg
DUST/MIST	RAT	4H LC50	>6.8	mg/l
ORAL	RAT	LD50	>10000	mg/kg

Non-classified ingredients:

ACTICIDE BFM

DERMAL	RAT	LD50	5000	mg/kg
DUST/MIST	RAT	4H LC50	5	mg/l
ORAL	RAT	LD50	5000	mg/kg

TEXANOL ESTER ALCOHOL

DERMAL	RBT	LD50	15200	mg/kg
ORAL	RAT	LD50	3200	mg/kg
VAPOURS	RAT	1H LC50	>3.55	mg/l

ACTICIDE MKX

DERMAL	RAT	LD50	>5000	mg/kg
ORAL	RAT	LD50	3700	mg/kg

Toxicity values: No data available.

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact. repeated exposure may cause skin dryness and/or cracking

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No data available.

Delayed / immediate 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.
In all cases of doubt or where symptoms persist obtain medical attention

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Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

MELAMINE

FISH	96H LC50	>3000	mg/l
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PENTAERITHRITOL

DAPHNIA	48H EC50	38900	mg/l
FISH	96H LC50	>3000	mg/l
GREEN ALGA (<i>Selenastrum capricornutum</i>)	96H LC50	>900	mg/l

TITANIUM DIOXIDE

DAPHNIA	48H EC50	>3	mg/l
FISH	96H LC50	>1000	mg/l

ACTICIDE BFM

DAPHNIA	48H EC50	38.9	mg/l
RAINBOW TROUT (<i>Oncorhynchus mykiss</i>)	96H LC50	6	mg/l

TEXANOL ESTER ALCOHOL

DAPHNIA	48H EC50	147.8	mg/l
FISH	96H LC50	33	mg/l
GREEN ALGA (<i>Selenastrum capricornutum</i>)	72H ErC50	57	mg/l
MARINE ALGAE (<i>Skeletonema costatum</i>)	72H ErC50	15	mg/l

ACTICIDE MKX

Daphnia magna	48H EC50	1.4	mg/l
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12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: Readily absorbed into soil. The product is dispersible in water and may spread in the aquatic environment

12.5. Results of PBT and vPvB assessment

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

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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 15

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) N0 1272/2008 of the European parliament and Council on 18 December 2008 on Classification,labelling,packaging of substances and mixtures amending and repealing Directives 67/548/EEC and 1999/45/EC,and amending Regulation(EC) No1907/2006

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 2015/830.

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

Phrases used in s.2 and s.3: H302+312+332: Harmful if swallowed, in contact with skin or if inhaled.

H312+332: Harmful in contact with skin or if inhaled.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H410: Very toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

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.