

SAFETY DATA SHEET

THERMOGUARD SMOKE & FLAME RETARDANT DUALCOAT - GENERAL

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

1.1. Product identifier

Product name: THERMOGUARD SMOKE & FLAME RETARDANT DUALCOAT - GENERAL

Product code: SFR -D

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.
apply by brush,roller or spray

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

P102: Keep out of reach of children.

P103: Read label before use.

P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.

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

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P302+P350: IF ON SKIN: Gently wash with plenty of soap and water.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

[cont...]

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2.3. Other hazards

Other hazards: Not applicable.

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

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

ZINC BORATE - REACH registered number(s): 01-2119691658-19-0001

EINECS	CAS	PBT / WEL	CLP Classification	Percent
235-804-2	138265-88-0	-	Aquatic Acute 1: H400	1-10%

PROPANE DIOL - REACH registered number(s): 01-2119456809-23-0003

200-338-0	57-55-6	Substance with a Community workplace exposure limit.	-	1-10%
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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

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

Ingestion: Do not induce vomiting. Wash out mouth with water. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Consult a doctor.

Inhalation: Remove to fresh air Keep the patient warm and at rest If unconscious and breathing is OK, place in the recovery position. If unconscious, check for breathing and apply artificial respiration if necessary. Consult a doctor.

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: No data available.

Inhalation: No data available.

Delayed / immediate effects: No data available.

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.

[cont...]

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Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: extinguish with foam,dry powder,carbon dioxide or water fog Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: 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: Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid. Avoid breathing any vapours

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

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: Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air. Avoid skin and eye contact Smoking ,eating and drinking should be prohibited in mixing and application area Do not allow to enter drains or watercourses

7.2. Conditions for safe storage, including any incompatibilities

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

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

Section 8: Exposure controls/personal protection

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8.1. Control parameters

Hazardous ingredients:

ZINC BORATE

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	10 mg/m ³	-	-	-

PROPANE DIOL

UK	150 ppm	-	-	-
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DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure all engineering measures mentioned in section 7 of SDS are in place. Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protection must be used if the general level exceeds the recommended occupational exposure limit

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Environmental: Ensure all engineering measures mentioned in section 7 of SDS are in place. Prevent from entering in public sewers or the immediate environment.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Various

Odour: Characteristic odour

Solubility in water: Miscible

Viscosity: Viscous

Kinematic viscosity: 1-2 poise

Viscosity test method: Cone & plate @ 20 °C

Boiling point/range°C: 100

Flammability limits %: lower: not flammable

Flash point°C: not relevant

Relative density: 1.3 - 1.4

pH: 8.5 - 9.0

VOC g/l: 30 grammes/litre maximum

9.2. Other information

Other information: VOC Content: EU limit for this product is(CatA/i) is 500 g/litre

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Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions. In a Fire, hazardous composition products may be produced

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. Strong bases.

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:

ZINC BORATE

DERMAL	RAT	LD50	>2000	mg/kg
DUST/MIST	RAT	4H LC50	0.002	g/l
ORAL	RAT	LD50	3500	mg/kg

PROPANE DIOL

DERMAL	RAT	LD50	>2000	mg/kg
ORAL	RAT	LD50	>20,000	mg/kg
VAPOURS	RBT	1H LC50	317.4	mg/l

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: No data available.

Inhalation: No data available.

[cont...]

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Delayed / immediate effects: No data available.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

ZINC BORATE

Daphnia magna	96H LC50	76	mg/l
FISH	96H LC50	76	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	2.4	mg/l

PROPANE DIOL

ALGAE	96H ErC50	19000	mg/l
Ceriodaphnia dubia	48H EC50	18340	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	40613	mg/l

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

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: No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Dispose of waste and residues according to local authority requirements

Waste code number: 08 01 12

Disposal of packaging: Dispose of as normal industrial waste.

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

Section 14: Transport information

14.1. UN number

UN number: not classified

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14.2. UN proper shipping name

Shipping name: not classified

14.3. Transport hazard class(es)

Transport class: not classified (not+classified)

14.4. Packing group

Packing group: not classified

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Special precautions: Always transport in upright sealed containers Ensure that persons transporting the product what to do in the event of an accident or spillage

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk: not Relevant

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: H400: Very toxic to aquatic life.

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.