

Thermoguard SFR Dualcoat
Matt / Eggshell

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758 and SI 2020/1577

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name THERMOGUARD SFR Dualcoat

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

Identified Use(s)

Fire Protection & Encapsulation Paint

1.3 Details of the supplier of the safety data sheet

Manufacturer

Company Identification Thermoguard UK Limited

Address of Manufacturer
Units B1-B2
Enterprise Park
Wigwam Lane
Hucknall
Nottingham

Postal code NG15 7SZ

Telephone: 01142768008

E-mail technical@thermoguard.co.uk

Office hours 08:00 - 17:00

Supplier

Company Identification Thermoguard UK Limited

Address of Supplier
Units B1-B2
Enterprise Park
Wigwam Lane
Hucknall
Nottingham

Postal code NG15 7SZ

Telephone: 01142768008

E-mail technical@thermoguard.co.uk

Office hours 08:00 - 17:00

1.4 Emergency telephone number

Emergency Phone No. 01142 768008. 07858 518430 07624 485725

Contact Technical Department

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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GB CLP Regulation, UK SI 2019/720 and Aquatic Chronic 2 :Toxic to aquatic life with long lasting effects.

UK SI 2020/1567

2.2 Label elements

According to GB CLP Regulations, UK SI 2019/720 and UK SI 2020/1567

Product Name

THERMOGUARD SFR Dualcoat

Hazard Pictogram(s)



GHS09

Signal Word(s)

None.

Hazard Statement(s)

H411: Toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

P273: Avoid release to the environment.

P391: Collect spillage.

2.3 Other hazards

None known.

2.4 Additional Information

For full text of H/P Statements see section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / Registration number(s)	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Boron zinc hydroxide oxide (B ₁₂ Zn ₄ (OH) ₁₄ O ₁₅)	138265-88-0	604-070-9	<10	Aquatic Acute 1 H400 Aquatic Chronic 1 H410	GHS09
propane-1,2-diol	57-55-6	200-338-0	1-10	Not classified.	None

For full text of H/P Statements see section 16.

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Treat symptomatically.
Skin Contact	Treat symptomatically.
Eye Contact	Treat symptomatically.
Ingestion	Treat symptomatically.

4.2 Most important symptoms and effects, both acute and delayed

None anticipated. Treat symptomatically.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media	As appropriate for surrounding fire.
Unsuitable extinguishing media	None.

5.2 Special hazards arising from the substance or mixture

Heating may cause decomposition.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Dike fire control water for later disposal.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear suitable gloves if prolonged skin contact is likely.

6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Adsorb spillages onto sand, earth or any suitable adsorbent material. Contain spillages with sand, earth or any suitable adsorbent material. Earth may be shovelled to contain spillage and to avoid contamination of sewers and watercourses.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

7.2 Conditions for safe storage, including any incompatibilities

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Storage temperature Ambient.
Storage life Stable under normal conditions.
Incompatible materials None known.

7.3 Specific end use(s)

Paint

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Propane-1,2-diol total vapour and particulates	57-55-6	150	474			
Propane-1,2-diol particulates	57-55-6		10			

Region Source
United Kingdom UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

Remark Notes

8.2 Exposure controls

8.2.1. Appropriate engineering controls Ensure adequate ventilation.

8.2.2. Personal protection equipment



Eye Protection Wear eye protection with side protection (EN166).



Skin protection Not normally required.



Respiratory protection Normally no personal respiratory protection is necessary.



Thermal hazards None known.

8.2.3. Environmental Exposure Controls Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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Appearance	Liquid.
	Colour : various
Odour	Characteristic odour
Odour threshold	Not known.
pH	8 > 9
Melting point/freezing point	Not known.
Initial boiling point and boiling range	100
Flash Point	93+ C.
Evaporation rate	Not known.
Flammability (solid, gas)	Not known.
Upper/lower flammability or explosive limits	Not known.
Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	Relative density 1.3 - 1.4
Relative density	Not known.
Solubility(ies)	Solubility (Water) : Miscible Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not known.
Viscosity	Viscous 1-2 poise
Explosive properties	Not known.
Oxidising properties	Not known.

9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

Fire

10.5 Incompatible materials

Oxidising agents . Acids

10.6 Hazardous decomposition products

No hazardous decomposition products known.

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Acute toxicity - Ingestion	Calculation method : Not classified.
Acute toxicity - Skin Contact	Calculation method : Not classified.
Acute toxicity - Inhalation	Calculation method : Not classified.
Skin corrosion/irritation	Calculation method : Not classified.
Serious eye damage/irritation	Calculation method : Not classified.
Skin sensitization data	Calculation method : Not classified.
Respiratory sensitization data	Calculation method : Not classified.
Germ cell mutagenicity	Calculation method : Not classified.
Carcinogenicity	Calculation method : Not classified.
Reproductive toxicity	Calculation method : Not classified.
Lactation	Calculation method : Not classified.
STOT - single exposure	Calculation method : Not classified.
STOT - repeated exposure	Calculation method : Not classified.
Aspiration hazard	Calculation method : Not classified.

11.2 Other information

Not known.

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity**

	Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Toxicity - Aquatic invertebrates	Not known.
Toxicity - Fish	Not known.
Toxicity - Algae	Not known.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2 Persistence and degradability

Not known.

12.3 Bioaccumulative potential

Not known.

12.4 Mobility in soil

Not known.

12.5 Results of PBT and vPvB assessment

Not a PB or vPvB

12.6 Other adverse effects

Not known.

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of contents in accordance with local, state or national legislation. Dispose of this material and its container to hazardous or special waste collection point.
Dispose at suitable refuse site.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous for transport.

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not classified as a Marine Pollutant.

14.6 Special precautions for user

Not known

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not known

SECTION 15: REGULATORY INFORMATION

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

United Kingdom Regulations - Authorisations and/or Restrictions On Use

UK REACH Candidate List of Substances Not listed
of Very High Concern for Authorisation

UK REACH Authorisation List (Annex Not listed
XIV) list of substances subject to
authorisation

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UK REACH Restrictions List (Annex XVII) Boron zinc hydroxide oxide (B12Zn4(OH)14O15) (138265-88-0)

Restrictions on the manufacture, placing
on the market and use of certain
dangerous substances, mixtures and
articles

UK REACH Rolling Action Plan (RAP) Not listed

The Persistent Organic Pollutants Not listed

Regulations 2007 (SI 2007/3106) as
amended

The Ozone-Depleting Substances and Not listed

Fluorinated Greenhouse Gases

(Amendment etc.) (EU Exit) Regulations
2019 (SI 2019/583)

The Prior Informed Consent (PIC) Not listed

Regulations concerning the export and
import of hazardous chemicals

SI2008/2108 as amended

European Regulations - Authorisations and/or Restrictions On Use

Community Rolling Action Plan (CoRAP) Not listed

15.2 Chemical Safety Assessment

United Kingdom

A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s)



GHS09

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Hazard classification Aquatic Acute 1 : Hazardous to the aquatic environment, Acute, Category 1
Aquatic Chronic 1 : Hazardous to the aquatic environment, Chronic, Category 1
Aquatic Chronic 2 : Hazardous to the aquatic environment, Chronic, Category 2

Hazard Statement(s) H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
H411: Toxic to aquatic life with long lasting effects.

Precautionary Statement(s) P273: Avoid release to the environment.
P391: Collect spillage.
P501: Dispose of contents in accordance with local, state or national legislation.

Acronyms ATE : Acute Toxicity Estimate
CAS : Chemical Abstracts Service
DNEL : Derived No Effect Level
EC : European Community
EINECS : European Inventory of Existing Commercial Chemical Substances
LTEL : Long term exposure limit
PBT : Persistent, Bioaccumulative and Toxic
PNEC : Predicted No Effect Concentration
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
STEL : Short term exposure limit
STOT : Specific Target Organ Toxicity
vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for data used to compile the SDS GB CLP Regulation, UK SI 2019/720 and UK SI 2020/1567

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