

SAFETY DATA SHEET

THERMOGUARD INTERIOR/EXTERIOR FIRE VARNISH OVERCOAT - SATIN

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Compilation date: 28/05/2012

Sent to: TW Consulting

Revision No: 2

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

1.1. Product identifier

Product name: THERMOGUARD INTERIOR/EXTERIOR FIRE VARNISH OVERCOAT - SATIN

Product code: TH/V609/27

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

Use of substance / mixture: An Air Drying Interior/Exterior Satin Overcoat for Thermoguard Fire Varnish Base

1.3. Details of the supplier of the safety data sheet

Company name: Thermoguard UK Ltd
Unit B Marlborough Court
Bennerley Road
Nottingham
Nottinghamshire
NG6 8UY
United Kingdom
Tel: 0115 976 4455
Fax: 0115 976 4488
Email: thermoguard@live.com

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 CHIP: -: R10; N: R51/53; -: R66

Most important adverse effects: Flammable. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking.

2.2. Label elements

Label elements under CHIP:

Hazard symbols: Dangerous for the environment.



Risk phrases: R10: Flammable.

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R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R66: Repeated exposure may cause skin dryness or cracking.

Safety phrases: S2: Keep out of the reach of children.

S16: Keep away from sources of ignition - No smoking.

S20/21: When using do not eat, drink or smoke.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S29/35: Do not empty into drains; dispose of this material and its container in a safe way.

S33: Take precautionary measures against static discharges.

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

S38: In case of insufficient ventilation, wear suitable respiratory equipment.

S43: In case of fire, use water fog, carbon dioxide, powder, foam.

S49: Keep only in the original container.

S51: Use only in well-ventilated areas.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

S62: If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

Precautionary phrases: Contains cobalt neodecanoate. May produce an allergic reaction.

2.3. Other hazards

PBT: This substance is not identified as a PBT substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

SOLVENT NAPHTHA (PETROLEUM)ALIPHATIC

EINECS	CAS	CHIP Classification	CLP Classification	Percent
-	-	-: R10; N: R51/53; Xn: R65; -: R66	-	10-30%

WHITE SPIRIT

-	-	Xn: R65; -: R10; N: R51/53	-	10-30%
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WHITE SPIRIT LOW AROMATIC

-	-	-: R10; Xn: R65; -: R66 Substance with a Community workplace exposure limit.	-	1-10%
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SILICA (AMORPHOUS)

231-545-4	112926-00-8	Substance with a Community workplace exposure limit.	-	1-10%
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XYLENE

215-535-7	1330-20-7	-: R10; Xn: R20/21; Xi: R38	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Skin Irrit. 2: H315	1-10%
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MESITYLENE

203-604-4	108-67-8	-: R10; Xi: R37; N: R51/53	Flam. Liq. 3: H226; STOT SE 3: H335; Aquatic Chronic 2: H411	1-10%
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1,2,4-TRIMETHYLBENZENE

202-436-9	95-63-6	-: R10; Xn: R20; Xi: R36/37/38; N: R51/53	Flam. Liq. 3: H226; Acute Tox. 4: H332; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Aquatic Chronic 2: H411	1-10%
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CUMENE

202-704-5	98-82-8	-: R10; Xi: R37; N: R51/53; Xn: R65	Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H335; Aquatic Chronic 2: H411	<1%
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2-HYDROXY-4-N-OCTOXYBENZOPHENONE

217-421-2	1843-05-6	Xi: R36/37/38; N: R50/53	-	<1%
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COBALT NEODECANOATE

248-373-0	27253-31-2	Xn: R22; Xn: R65; Xi: R38; Xi: R41; Sens.: R43; N: R51/53	-	<1%
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Non-hazardous ingredients:

ETHYLBENZENE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
202-849-4	100-41-4	F: R11; Xn: R20	Flam. Liq. 2: H225; Acute Tox. 4: H332	<1%

DIPROPYLENE GLYCOL DIBENZOATE

248-258-5	27138-31-4	-	-	<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.

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

Ingestion: 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. If conscious, ensure the casualty sits or lies down. 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.

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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 May Produce an allergic reaction

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: Exposure to organic solvent vapours in excess of stated occupational exposure limits may result in adverse health effects

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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: 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: Flammable. Forms explosive air-vapour mixture. 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. 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. Avoid breathing any vapours Eliminate all sources of ignition. Turn leaking containers leak-side up to prevent the escape of liquid.

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.

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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 formation or spread of mists in the air. In case of insufficient ventilation wear suitable respiratory protection. If rubbing down dried film wear suitable mask and protective clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: store between 5 and 30°C in a dry well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Avoid incompatible materials and conditions - see section 10 of SDS.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): The identified uses for this product are detailed in Section 1.2 refer to Application Instructions before using this product.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

WHITE SPIRIT LOW AROMATIC

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1000 mg/m ³	-	-	-

SILICA (AMORPHOUS)

UK	0.3mg/m ³	-	-	-
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8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition. Ensure all engineering measures mentioned in section 7 of SDS are in place.

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.

Skin protection: Protective clothing.

Environmental: Prevent from entering in public sewers or the immediate environment. Ensure emissions from ventilation or equipment comply with environmental protection legislation.

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Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Pale yellow

Odour: Characteristic odour

Solubility in water: Not miscible

Viscosity: Viscous

Flammability limits %: lower: 0.8

Flash point°C: 38

Vapour pressure: heavier than air

Relative density: 0.97

VOC g/l: 397

9.2. Other information

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

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. Sources of ignition.

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

Toxicity values: Not applicable.

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 May Produce an allergic reaction

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

[cont...]

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Inhalation: Exposure to organic solvent vapours in excess of stated occupational exposure limits may result in adverse health effects

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Other information: In all cases of doubt or where symptoms persist obtain medical attention

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: Not applicable.

12.2. Persistence and degradability

Persistence and degradability: Not biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Bioaccumulation potential.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This substance is not identified as a PBT substance.

12.6. Other adverse effects

Other adverse effects: Toxic to aquatic organisms. Toxic to soil organisms.

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 11

Disposal of packaging: Arrange for collection by specialised disposal company.

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: UN1263

14.2. UN proper shipping name

Shipping name: PAINT

14.3. Transport hazard class(es)

Transport class: 3

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14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: Yes

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

Tunnel code: D/E

Transport category: 3

Section 15: Regulatory information

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

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 453/2010.

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

Phrases used in s.2 and 3: H225: Highly flammable liquid and vapour.
H226: Flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H312: Harmful in contact with skin.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H411: Toxic to aquatic life with long lasting effects.
R10: Flammable.
R11: Highly flammable.
R20/21: Harmful by inhalation and in contact with skin.
R20: Harmful by inhalation.
R22: Harmful if swallowed.
R36/37/38: Irritating to eyes, respiratory system and skin.
R37: Irritating to respiratory system.
R38: Irritating to skin.

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R41: Risk of serious damage to eyes.

R43: May cause sensitisation by skin contact.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

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.