

## SAFETY DATA SHEET

THERMOGUARD INTERIOR/EXTERIOR FIRE VARNISH OVERCOAT - MATT

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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 - MATT

**Product code:** TH/V609/20

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

**Use of substance / mixture:** An air drying interior /exterior matt 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](mailto: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, foam, powder, carbon dioxide.

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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SILICA (AMORPHOUS)

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

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. Do not induce vomiting. 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.

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

**Skin contact:** There may be irritation and redness 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.

[cont...]

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**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

**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:** Show this safety data sheet to the doctor in attendance. 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 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:** 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 formation or spread of mists in the air. If rubbing down dried film wear suitable mask and protective clothing

[cont...]

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## 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.

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

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

#### SILICA (AMORPHOUS)

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	0.3mg/m <sup>3</sup>	-	-	-

#### WHITE SPIRIT LOW AROMATIC

UK	1000 mg/m <sup>3</sup>	-	-	-
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#### XYLENE

UK	220 mg/m <sup>3</sup>	441 mg/m <sup>3</sup>	-	-
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#### MESITYLENE

UK	25 ppm	-	-	-
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#### 1,2,4-TRIMETHYLBENZENE

UK	125 mg/m <sup>3</sup>	-	-	-
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#### CUMENE

UK	125 mg/m <sup>3</sup>	250 mg/m <sup>3</sup>	-	-
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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. The floor of the storage room must be impermeable to prevent the escape of liquids.

**Respiratory protection:** Respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. Respiratory protective device with particle filter.

**Hand protection:** Protective gloves.

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

**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.

[cont...]

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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:** 0.98

**VOC g/l:** 412

### 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 irritation and redness 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 soreness and redness of the mouth and 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:** Readily absorbed into soil.

### 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

[cont...]

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## 14.4. Packing group

Packing group: III

## 14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: Yes

## 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:** 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.

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.

R41: Risk of serious damage to eyes.

R43: May cause sensitisation by skin contact.

[cont...]



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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.