

SAFETY DATA SHEET
THERMOGUARD STEEL FIRE PAINT PRIMER

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Sent to: Thermoguard H&S Dept

Revision No: 1

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

1.1. Product identifier

Product name: THERMOGUARD STEEL FIRE PAINT PRIMER

Product code: DP161XX

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

Use of substance / mixture: An Air Drying,Liquid,Solvent-borne Anti-Corrosive Primer for Professional and Industrial use,For use as a general metal primer

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: Flam. Liq. 3: H226; STOT SE 3: H336; -: EUH208

Most important adverse effects: Contains cobalt bis(2-ethylhexanoate). May produce an allergic reaction. Flammable liquid and vapour. May cause drowsiness or dizziness.

2.2. Label elements

Label elements:

Hazard statements: EUH208: Contains cobalt bis(2-ethylhexanoate). May produce an allergic reaction.

H226: Flammable liquid and vapour.

H336: May cause drowsiness or dizziness.

Hazard pictograms: GHS02: Flame

GHS07: Exclamation mark



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Signal words: Warning

Precautionary statements: P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P241: Use explosion-proof equipment.
P261: Avoid breathing vapours.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312: Call a POISON CENTRE or doctor if you feel unwell.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P405: Store locked up.
P501: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

Other hazards: In use, may form flammable / explosive vapour-air mixture.

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

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

HYDROCARBONS,C9-C11.N-ALKANES,ISOALKANES,CYCLICS,<2%AROMATICS - REACH registered number(s): 01-2119463258-33-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
919-857-5	1174522-20 -3	-	Flam. Liq. 3: H226; STOT SE 3: H336; Asp. Tox. 1: H304	10-30%

ZIRCONIUM SALT,2-ETHYLHEXANOIC ACID - REACH registered number(s): 01-2119979088-21-0002

-	22464-99-9	-	Repr. 2: H361f; Repr. 2: H361d; Repr. 2: H361fd	<1%
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COBALT BIS(2-ETHYLHEXANOATE) - REACH registered number(s): 01-2119524678-29-0000

205-250-6	136-52-7	-	Repr. 1B: H360F; Aquatic Acute 1: H400; Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Sens. 1: H317	<1%
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Contains: HYDROCARBONS,C9-C11,n-alkanes,isoalkanes,cyclics,<2%aromatics

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. seek immediate medical advice

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

Inhalation: Remove to fresh air Keep the patient warm and at rest 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

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. There may be vomiting and diarrhoea.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

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. Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture.

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

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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. Eliminate all sources of ignition. Ventilate the area. Avoid breathing any vapours

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. In the case of contamination of rivers, streams or lakes, contact the relevant environment agency.

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. Do not use equipment in clean-up procedure which may produce sparks.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS. Refer to section 13 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. In case of insufficient ventilation wear suitable respiratory protection Do not handle in a confined space. Wear protective gloves, eye and face protection Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools. Always wash your hands before eating, smoking or using the toilet vapours are heavier than air and may cause explosive mixtures

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

Suitable packaging: Must only be kept in original packaging. keep containers upright and tightly closed keep away from heat, sparks and open flames

7.3. Specific end use(s)

Specific end use(s): The identified uses for this product are detailed in Section 1.2 PC9a: Coatings and paints, thinners, paint removers.

Section 8: Exposure controls/personal protection

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8.1. Control parameters

Workplace exposure limits:

Respirable dust

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

Hazardous ingredients:

ZIRCONIUM SALT,2-ETHYLHEXANOIC ACID

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	5 mg/m ³	10 mg/m ³	-	-

DNEL/PNEC Values

Hazardous ingredients:

HYDROCARBONS,C9-C11.N-ALKANES,ISOALKANES,CYCLICS,<2%AROMATICS

Type	Exposure	Value	Population	Effect
DNEL	Dermal	208mg/kg/day	Workers	Systemic
DNEL	Inhalation	871(8 hr) mg/m ³	Workers	Systemic
DNEL	Dermal	125 mg/kg/day	Consumers	Systemic
DNEL	Inhalation	185 mg/m ³	Consumers	Systemic
DNEL	Oral	125/mg/kg/day	Consumers	Systemic

ZIRCONIUM SALT,2-ETHYLHEXANOIC ACID

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	5 mg/m ³	Workers	Systemic
DNEL	Dermal	15.75 mg/kg/day	Workers	Systemic
DNEL	Inhalation	2.5 mg/m ³	Consumers	Systemic
DNEL	Dermal	7.9 mg/kg/day	Consumers	Systemic
DNEL	Oral	7.9 mg/kg/day	Consumers	Systemic
PNEC	Fresh water	0.36 mg/l	-	-
PNEC	Marine water	0.036 mg/l	-	-
PNEC	Fresh water sediments	6.37 mg/kg	-	-
PNEC	Marine sediments	0.637 mg/kg	-	-
PNEC	Soil (agricultural)	1.06 mg/kg	-	-

COBALT BIS(2-ETHYLHEXANOATE)

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	235.1 ug/m ³	Workers	Systemic

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DNEL	Inhalation	37 ug/m3	General Population	Systemic
DNEL	Oral	27.6ug/kg bw/day	General Population	Systemic
PNEC	Fresh water	0.5 mg/l	-	-
PNEC	Marine water	0.05 mg/l	-	-
PNEC	Fresh water sediments	1.89 mg/kg dw	-	-
PNEC	Marine sediments	0.18 mg/kg dw	-	-
PNEC	Soil (agricultural)	0.126 mg/kg dw	-	-

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. where practical by use of local exhaust ventilation Observe any occupational exposure limits for the product Ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection: in case of insufficient ventilation suitable respiratory equipment should be used
Respiratory protection must be used if the general level exceeds the recommended occupational exposure limit

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 166and designed to protect against splashes Ensure eye bath is to hand.

Skin protection: Protective clothing, antistatic. Impermeable protective clothing.

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

Odour: naphthenic

Solubility in water: Insoluble

Viscosity: Viscous

Viscosity test method: rotothinner@20oC

Boiling point/range°C: 145-200

Flammability limits %: lower: 0.6%

upper: 8%

Flash point°C: 38-40

Vapour pressure: 0.21kPa @ 20oC

Relative density: 1.240-01.3

VOC g/l: 400

9.2. Other information

Other information: vapour heavier than air. Can form an explosive mixture with air

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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. Stable at room temperature.

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. Hot surfaces. Sources of ignition. Flames.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong bases. 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

Relevant hazards for product:

Hazard	Route	Basis
STOT-single exposure	-	Hazardous: calculated

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

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. There may be vomiting and diarrhoea.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

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 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.

Section 12: Ecological information

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12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

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: Negligible ecotoxicity.

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: 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

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

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

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14.6. Special precautions for user

Special precautions: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage. In pack sizes less than 450 litres, under the terms of 2.2.3.1.5, this product is not subject to the provisions of ADR.

Tunnel code: D/E

Transport category: 3

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: Not applicable.

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: according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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

Phrases used in s.2 and s.3: EUH208: Contains cobalt bis(2-ethylhexanoate). May produce an allergic reaction.

H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

H360F: May damage fertility.

H361d: Suspected of damaging the unborn child.

H361f: Suspected of damaging fertility.

H361fd: Suspected of damaging fertility. Suspected of damaging the unborn child.

H400: Very toxic to aquatic life.

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.

Thermoguard H&S Dept