

SAFETY DATA SHEET

THERMOGUARD FLAME RETARDANT GLOSS 2016-GENERAL

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Compilation date: 12/01/2016

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 FLAME RETARDANT GLOSS 2016-GENERAL

Product code: G2COLORBASE

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

Use of substance / mixture: An Air Drying ,liquid ,solvent borne paint for consumer,professional and industrial use
That can be applied by Brush,Roller or spray Used as a paint for interior/exterior building trim, for articles outside of the scope of the VOC Product Directive

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; -: EUH066; -: EUH210

Most important adverse effects: Contains 2-butanone oxime, phthalic anhydride. May produce an allergic reaction.
Flammable liquid and vapour. May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cracking. Safety data sheet available on request.

2.2. Label elements

Label elements:

Hazard statements: EUH208: Contains 2-butanone oxime, phthalic anhydride. May produce an allergic reaction.

H226: Flammable liquid and vapour.

H336: May cause drowsiness or dizziness.

EUH066: Repeated exposure may cause skin dryness or cracking.

EUH210: Safety data sheet available on request.

[cont...]

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Hazard pictograms: GHS02: Flame

GHS07: Exclamation mark



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.
P240: Ground and bond container and receiving equipment.
P233: Keep container tightly closed.
P241: Use explosion-proof electrical/ventilating/lighting/... equipment.
P242: Use non-sparking tools.
P243: Take action to prevent static discharges.
P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.
P271: Use only outdoors or in a well-ventilated area.
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.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P378: In case of fire: Use media other than water to extinguish.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P405: Store locked up.
P501: Dispose of contents/container to licenced waste disposal company.

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:

[cont...]

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LOW BOILING POINT HYDROGEN TREATED NAPHTHA - NAPHTHA (PETROLEUM), HYDROTREATED HEAVY

EINECS	CAS	PBT / WEL	CLP Classification	Percent
265-150-3	64742-48-9	-	Asp. Tox. 1: H304; Flam. Liq. 3: H226	10-30%

2-BUTANONE OXIME

202-496-6	96-29-7	-	Carc. 2: H351; Acute Tox. 4: H312; Eye Dam. 1: H318; Skin Sens. 1: H317	<1%
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PHTHALIC ANHYDRIDE

201-607-5	85-44-9	-	Acute Tox. 4: H302; STOT SE 3: H335; Skin Irrit. 2: H315; Eye Dam. 1: H318; Resp. Sens. 1: H334; Skin Sens. 1: H317	<1%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: In all cases of doubt or when symptoms persist. Seek medical attention 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: Remove contact lenses Bathe the eye with running water for 15 minutes. seek immediate medical advice

Ingestion: Keep at rest Wash out mouth with water. If accidentally swallowed obtain immediate medical attention If unconscious, check for breathing and apply artificial respiration if necessary.

Inhalation: Remove to fresh air Keep the patient warm and at rest Remove casualty from exposure ensuring one's own safety whilst doing so. 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. May be fatal if swallowed and enters airways

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure to organic solvent vapours in excess of stated occupational exposure limits may result in adverse health effects Exposure may cause coughing or wheezing. there may be symptoms of Headache,dizziness,fatigue etc

Delayed / immediate effects: Immediate effects can be expected after short-term exposure. Exposure to organic solvent vapours in excess of the stated occupational exposure limit may result in adverse health effects Repeated or prolonged contact with the product may cause removal of natural oils and fats from the skin

[cont...]

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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. Do not induce vomiting. 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. In the event of Fire and/or explosion do NOT breathe 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 runoff to enter watercourses or drains.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Ventilate the area. Refer to section 8 of SDS for personal protection details. Put on protective equipment. Avoid breathing any vapours. Exclude all non-essential personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

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. 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.

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. Smoking is forbidden. Use non-sparking tools.

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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 of this product are detailed in section 1 refer to Application Instructions before using this product

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

PHTHALIC ANHYDRIDE

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	4 mg/m ³	12 mg/m ³	-	-

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. where practical by use of local exhaust ventilation 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 If spraying respiratory protection will be required Self-contained breathing apparatus must be available in case of emergency.

Hand protection: the instructions and information provided by the glove manufacturer on use storage maintenance and replacement must be followed Protective gloves. PVA gloves. Viton gloves.

Eye protection: Safety glasses with side-shields. manufactured and tested to EN 166and designed to protect against splashes Ensure eye bath is to hand.

Skin protection: Protective clothing.

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

Section 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

State: Liquid
Colour: Various
Odour: naphthenic
Solubility in water: Not miscible
Viscosity: Viscous
Boiling point/range°C: 150
Flammability limits %: lower: 0.6
upper: 8%
Flash point°C: 23 - 60
Vapour pressure: 0.21kPa@20oC
Relative density: 0.9-1.1
VOC g/l: 290 g/l

9.2. Other information

Other information: EU limit for this product(Cat A/d)is 300 g/litre

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. Stable at room temperature. In a fire Hazardous decomposition products may be produced

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 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:

[cont...]

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2-BUTANONE OXIME

ORL	MUS	LD50	1	gm/kg
ORL	RAT	LD50	930	mg/kg
SCU	RAT	LD50	2702	mg/kg

PHTHALIC ANHYDRIDE

ORL	MUS	LD50	1500	mg/kg
ORL	RAT	LD50	1530	mg/kg

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. May be fatal if swallowed and enters airways

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure to organic solvent vapours in excess of stated occupational exposure limits may result in adverse health effects Exposure may cause coughing or wheezing. there may be symptoms of Headache,dizziness,fatigue etc

Delayed / immediate effects: Immediate effects can be expected after short-term exposure. Exposure to organic solvent vapours in excess of the stated occupational exposure limit may result in adverse health effects Repeated or prolonged contact with the product may cause removal of natural oils and fats from the skin

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

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

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12.4. Mobility in soil

Mobility: Volatile. product contains volatile organic compounds(VOC) which will evaporate easily

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: the product contains volatile organic compounds which have a photochemical ozone creation potential

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Dispose of waste and residues according to local authority requirements Do not allow runoff to sewer,waterway or soil

Recovery operations: not determined

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 Enviromental 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: Yes

Marine pollutant: No

14.6. Special precautions for user

Special precautions: Always transport in closed upright and secure 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

[cont...]

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Section 15: Regulatory information

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

Specific regulations: This product is subject to classification under the VOC Product Regulations SI 2006 No 2773 regulation(EC) No 1907/2006 of the European parliament and the council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and restriction of Chemicals (REACH) Regulation(EC) NO 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) No 1907/2006

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 has been prepared in accordance with Regulation(EC) No 1907/2006 REACH

This safety data sheet is prepared in accordance with Commission Regulation (EC) No 1272/2008.

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

Phrases used in s.2 and s.3: EUH066: Repeated exposure may cause skin dryness or cracking.
EUH208: Contains 2-butanone oxime, phthalic anhydride. May produce an allergic reaction.
EUH210: Safety data sheet available on request.
H226: Flammable liquid and vapour.
H302: Harmful if swallowed.
H304: May be fatal if swallowed and enters airways.
H312: Harmful in contact with skin.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.
H351: Suspected of causing cancer.

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