

XTHERM GOLD

Resene Construction Systems

Version No: 1.1

Safety Data Sheet according to the Health and Safety at Work (Hazardous Substances) Regulations 2017

Issue Date: 10/08/2022

Print Date: 10/08/2022

L.GHS.NZL.EN

SECTION 1 Identification of the substance / mixture and of the company / undertaking

Product Identifier

| | |
|-------------------------------|---------------|
| Product name | XTHERM GOLD |
| Synonyms | Not Available |
| Other means of identification | Not Available |

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

| | |
|--------------------------|--|
| Relevant identified uses | Insulation board for insulating roof, wall and floor |
|--------------------------|--|

Details of the supplier of the safety data sheet

| | |
|-------------------------|---|
| Registered company name | Resene Construction Systems |
| Address | 5 Venture Place Middleton, Christchurch 8024 New Zealand |
| Telephone | (03) 3386 328 |
| Fax | (03) 3386 819 |
| Website | http://reseneconstruction.co.nz/ |
| Email | mike@reseneconstruction.co.nz |

Emergency telephone number

| | |
|-----------------------------------|------------------------------|
| Association / Organisation | CHEMWATCH EMERGENCY RESPONSE |
| Emergency telephone numbers | +64 800 700 112 |
| Other emergency telephone numbers | +61 3 9573 3188 |

Once connected and if the message is not in your preferred language then please dial 01

SECTION 2 Hazards identification

Classification of the substance or mixture

| | |
|---|----------------|
| Classification [1] | Not Applicable |
| Determined by Chemwatch using GHS/HSNO criteria | Not Available |

Label elements

| | |
|---------------------|----------------|
| Hazard pictogram(s) | Not Applicable |
| Signal word | Not Applicable |

Hazard statement(s)

Not Applicable

Precautionary statement(s) Prevention

Not Applicable

Precautionary statement(s) Response

Not Applicable

Precautionary statement(s) Storage

Not Applicable

Precautionary statement(s) Disposal

Not Applicable

Not Applicable

SECTION 3 Composition / information on ingredients

Substances

XTHERM GOLD

There are no hazardous ingredients required for disclosure.

Composition: A Rigid, thermoset, fibre free PIR Insulation

SECTION 4 First aid measures

Description of first aid measures

| | |
|---------------------|---|
| Eye Contact | Remove contact lenses. Irrigate thoroughly with clean cold water for at least 15 minutes. Check and remove floating debris. |
| Skin Contact | Non-irritant, but in case of minor reaction, rinse with water. |
| Inhalation | Remove person from exposure if ill effects are experienced and move to fresh air. |
| Ingestion | Non-hazardous material, but rinse out mouth with water if required. |

Indication of any immediate medical attention and special treatment needed

Treat symptomatically. IN ALL CASES IF SYMPTOMS ARE SEVERE, PERSIST OR CAUSE CONCERN, OBTAIN IMMEDIATE MEDICAL ADVICE.

SECTION 5 Firefighting measures

Extinguishing media

Foam, CO2, Dry Powder, Water Spray (Fog). Do not use water jet.

Special hazards arising from the substrate or mixture

| | |
|-----------------------------|-------------|
| Fire Incompatibility | None known. |
|-----------------------------|-------------|

Advice for firefighters

| | |
|------------------------------|--|
| Fire Fighting | ▶ Alert Fire Brigade and tell them location and nature of hazard. |
| Fire/Explosion Hazard | ▶ Combustible. May emit poisonous fumes. May emit corrosive fumes. |

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

See section 8

Environmental precautions

See section 12

Methods and material for containment and cleaning up

| | |
|---------------|--|
| Spills | If mechanically cutting or grinding the PIR foam, dust or particulate matter will be generated, which can be swept up and disposed of by wrapping in an appropriate container and then discarding to landfill in accordance with local regulations. Spilled dust may present a slipping hazard. |
| | If fire conditions prevail and the PIR foam begins to burn ventilate area as toxic vapours are produced. Keep unnecessary people away. Isolate hazard and deny entry. Stay upwind. If possible wet area down to prevent high dust level. Use dustless methods, including a HEPA filter and vacuum, and place into a suitably labelled and sealed container for disposal. Do not dry sweep. Wear protective equipment as outlined in Section 8. |

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 Handling and storage

Precautions for safe handling

| | |
|--------------------------|--|
| Safe handling | ▶ Avoid unnecessary personal contact. |
| Other information | Product should be stored off the ground on a flat dry area protected from the weather, |

Conditions for safe storage, including any incompatibilities

| | |
|--------------------------------|---|
| Storage incompatibility | Store away from sources of heat and ignition. |
|--------------------------------|---|

SECTION 8 Exposure controls / personal protection

Control parameters

Occupational Exposure Limits (OEL)

INGREDIENT DATA

Continued...

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Not Available

Emergency Limits


| Ingredient | TEEL-1 | TEEL-2 | TEEL-3 |
|-------------|---------------|---------------|---------------|
| XTHERM GOLD | Not Available | Not Available | Not Available |

| Ingredient | Original IDLH | Revised IDLH |
|-------------|---------------|---------------|
| XTHERM GOLD | Not Available | Not Available |

MATERIAL DATA

Sensory irritants are chemicals that produce temporary and undesirable side-effects on the eyes, nose or throat.

Exposure controls

| | |
|---|--|
| Appropriate engineering controls | Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. |
| Personal protection |  |
| Eye and face protection | ▸ Safety glasses with side shields. When installing the product with foil faces, UV rated eye protection is recommended. |
| Skin protection | See Hand protection below |
| Hands/feet protection | The use of gloves is recommended against irritation or cutting hands on aluminium faced boards. |
| Body protection | Overalls |
| Respiratory protection | The use of a general dust mask is recommended when cutting boards. |

SECTION 9 Physical and chemical properties

Information on basic physical and chemical properties

| | | | |
|---|---------------|--|----------------|
| Appearance | solid board | | |
| Physical state | Solid | Relative density (Water = 1) | Not Available |
| Odour | Not Available | Partition coefficient n-octanol / water | Not Available |
| Odour threshold | Not Available | Auto-ignition temperature (°C) | Not Available |
| pH (as supplied) | Not Available | Decomposition temperature (°C) | Not Available |
| Melting point / freezing point (°C) | Not Available | Viscosity (cSt) | Not Available |
| Initial boiling point and boiling range (°C) | Not Available | Molecular weight (g/mol) | Not Available |
| Flash point (°C) | Not Available | Taste | Not Available |
| Evaporation rate | Not Available | Explosive properties | Not Available |
| Flammability | Not Available | Oxidising properties | Not Available |
| Upper Explosive Limit (%) | Not Available | Surface Tension (dyn/cm or mN/m) | Not Applicable |
| Lower Explosive Limit (%) | Not Available | Volatile Component (%vol) | 0 |
| Vapour pressure (kPa) | Not Available | Gas group | Not Available |
| Solubility in water | Immiscible | pH as a solution (Not Available%) | Not Available |
| Vapour density (Air = 1) | Not Available | VOC g/L | 0 |

SECTION 10 Stability and reactivity

| | |
|---|---------------------------------|
| Reactivity | See section 7 |
| Chemical stability | Stable under normal conditions. |
| Possibility of hazardous reactions | See section 7 |

Continued...

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| | |
|---|---------------|
| Conditions to avoid | See section 7 |
| Incompatible materials | See section 7 |
| Hazardous decomposition products | See section 5 |

SECTION 11 Toxicological information

Information on toxicological effects

| | |
|---------------------|---|
| Inhaled | Dust from cutting and drilling may cause coughing, nose and throat irritation, and sneezing. Higher exposures may cause difficulty breathing, congestion and chest tightness. |
| Ingestion | Foam ingestion may cause transient irritation of throat, stomach and gastrointestinal tract. |
| Skin Contact | Dust from cutting and drilling may cause mechanical irritation to skin. |
| Eye | Dust from cutting and drilling may cause mechanical irritation to eyes. |
| Chronic | Prolonged or repeated dust inhalation may cause difficulty breathing, congestion and chest tightness. |

| | | |
|--------------------|-----------------|-------------------|
| XTHERM GOLD | TOXICITY | IRRITATION |
| | Not Available | Not Available |

Legend: 1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2. * Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances

| | | | |
|--|---|---------------------------------|---|
| Acute Toxicity | ✗ | Carcinogenicity | ✗ |
| Skin Irritation/Corrosion | ✗ | Reproductivity | ✗ |
| Serious Eye Damage/Irritation | ✗ | STOT - Single Exposure | ✗ |
| Respiratory or Skin sensitisation | ✗ | STOT - Repeated Exposure | ✗ |
| Mutagenicity | ✗ | Aspiration Hazard | ✗ |

Legend: ✗ – Data either not available or does not fill the criteria for classification
 ✓ – Data available to make classification

SECTION 12 Ecological information

Toxicity

| | | | | | |
|--------------------|-----------------|---------------------------|----------------|---------------|---------------|
| XTHERM GOLD | Endpoint | Test Duration (hr) | Species | Value | Source |
| | Not Available | Not Available | Not Available | Not Available | Not Available |

Legend: Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

No data available for this product. This material is not expected to cause harm to aquatic and terrestrial biota.

Persistence and degradability

| | | |
|-------------------|---------------------------------------|---------------------------------------|
| Ingredient | Persistence: Water/Soil | Persistence: Air |
| | No Data available for all ingredients | No Data available for all ingredients |

Bioaccumulative potential

| | |
|-------------------|---------------------------------------|
| Ingredient | Bioaccumulation |
| | No Data available for all ingredients |

Mobility in soil

| | |
|-------------------|---------------------------------------|
| Ingredient | Mobility |
| | No Data available for all ingredients |

SECTION 13 Disposal considerations

Waste treatment methods

| | |
|-------------------------------------|------------------------------|
| Product / Packaging disposal | ▶ Recycle wherever possible. |
|-------------------------------------|------------------------------|

Ensure that the hazardous substance is disposed in accordance with the Hazardous Substances (Disposal) Notice 2017

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Disposal Requirements

Dispose of waste material according to local regulations.

SECTION 14 Transport information**Labels Required**

| | |
|-------------------------|----------------|
| Marine Pollutant | NO |
| HAZCHEM | Not Applicable |

Land transport (UN): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

| Product name | Group |
|--------------|-------|
|--------------|-------|

Transport in bulk in accordance with the ICG Code

| Product name | Ship Type |
|--------------|-----------|
|--------------|-----------|

SECTION 15 Regulatory information**Safety, health and environmental regulations / legislation specific for the substance or mixture**

This substance is to be managed using the conditions specified in an applicable Group Standard

| HSR Number | Group Standard |
|----------------|----------------|
| Not Applicable | Not Applicable |

Please refer to Section 8 of the SDS for any applicable tolerable exposure limit or Section 12 for environmental exposure limit.

Hazardous Substance Location

Subject to the Health and Safety at Work (Hazardous Substances) Regulations 2017.

| Hazard Class | Quantities |
|----------------|----------------|
| Not Applicable | Not Applicable |

Certified Handler

Subject to Part 4 of the Health and Safety at Work (Hazardous Substances) Regulations 2017.

| Class of substance | Quantities |
|--------------------|----------------|
| Not Applicable | Not Applicable |

Refer Group Standards for further information

Maximum quantities of certain hazardous substances permitted on passenger service vehicles

Subject to Regulation 13.14 of the Health and Safety at Work (Hazardous Substances) Regulations 2017.

| Hazard Class | Gas (aggregate water capacity in mL) | Liquid (L) | Solid (kg) | Maximum quantity per package for each classification |
|----------------|--------------------------------------|----------------|----------------|--|
| Not Applicable | Not Applicable | Not Applicable | Not Applicable | Not Applicable |

Tracking Requirements

Not Applicable

SECTION 16 Other information

| Revision Date | 10/08/2022 |
|---------------|------------|
| Initial Date | 08/08/2022 |

Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment.

Definitions and abbreviations

PC—TWA: Permissible Concentration-Time Weighted Average

PC—STEL: Permissible Concentration-Short Term Exposure Limit

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists

STEL: Short Term Exposure Limit

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TEEL: Temporary Emergency Exposure Limit.
IDLH: Immediately Dangerous to Life or Health Concentrations
ES: Exposure Standard
OSF: Odour Safety Factor
NOAEL :No Observed Adverse Effect Level
LOAEL: Lowest Observed Adverse Effect Level
TLV: Threshold Limit Value
LOD: Limit Of Detection
OTV: Odour Threshold Value
BCF: BioConcentration Factors
BEI: Biological Exposure Index
AIIIC: Australian Inventory of Industrial Chemicals
DSL: Domestic Substances List
NDSL: Non-Domestic Substances List
IECSC: Inventory of Existing Chemical Substance in China
EINECS: European INventory of Existing Commercial chemical Substances
ELINCS: European List of Notified Chemical Substances
NLP: No-Longer Polymers
ENCS: Existing and New Chemical Substances Inventory
KECI: Korea Existing Chemicals Inventory
NZIoC: New Zealand Inventory of Chemicals
PICCS: Philippine Inventory of Chemicals and Chemical Substances
TSCA: Toxic Substances Control Act
TCSI: Taiwan Chemical Substance Inventory
INSQ: Inventario Nacional de Sustancias Químicas
NCI: National Chemical Inventory
FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances

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