

# XTHERM BLUE

## Resene Construction Systems

Version No: 1.1

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

Issue Date: 09/08/2022

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 BLUE
Synonyms	Not Available
Other means of identification	Not Available

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

Relevant identified uses	Extruded Polystyrene
--------------------------	----------------------

#### 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	<a href="http://reseneconstruction.co.nz/">http://reseneconstruction.co.nz/</a>
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

See section below for composition of Mixtures

## X THERM BLUE

There are no hazardous ingredients required for disclosure.

### SECTION 4 First aid measures

#### Description of first aid measures

<b>Eye Contact</b>	Dust produced from cutting or drilling of this product may cause slight irritation to the eyes. Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.
<b>Skin Contact</b>	Dust produced from cutting or drilling from this product may cause itching and short-term irritation. For skin contact , wash with mild soap and running water. If irritation persists get medical attention.
<b>Inhalation</b>	Dust produced by cutting or drilling of this product may cause irritation of the nose, throat, and respiratory tract. If dust from cutting or drilling is inhaled, immediately remove the affected person to fresh air. If symptoms persist, get medical attention.
<b>Ingestion</b>	Ingestion of this product is unlikely. However, ingestion of product may produce gastrointestinal irritation and disturbance. Watch the person for several days to make sure that partial or complete intestinal obstruction does not occur. Do not induce vomiting unless directed to do so by medical personnel.

#### Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5 Firefighting measures

#### Extinguishing media

Water, carbon dioxide, or dry chemical.

#### Special hazards arising from the substrate or mixture

<b>Fire Incompatibility</b>	None known.
-----------------------------	-------------

#### Advice for firefighters

<b>Fire Fighting</b>	▶ Alert Fire Brigade and tell them location and nature of hazard.
<b>Fire/Explosion Hazard</b>	▶ Combustible. Grinding, sawing or fabrication activities of the foam can produce dust particles, which may under certain conditions form explosive dust atmospheres that can be ignited. May emit poisonous and 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

<b>Spills</b>	Isolate area. Keep unnecessary personnel away. Scoop up material and put into a suitable container for disposal as a non-hazardous waste.
---------------	---

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

### SECTION 7 Handling and storage

#### Precautions for safe handling

<b>Safe handling</b>	No special procedures are required for this material.
<b>Other information</b>	Avoid inhaling dusts. Avoid eye and excessive skin contact. Use only with adequate ventilation. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Special care must be taken to avoid build up of dust.

#### Conditions for safe storage, including any incompatibilities

<b>Storage Procedures</b>	No special procedures are required for this material
<b>Storage incompatibility</b>	Avoid contact with hydrocarbons, esters and amines

### SECTION 8 Exposure controls / personal protection

#### Control parameters

Occupational Exposure Limits (OEL)

Continued...

## X THERM BLUE

## INGREDIENT DATA

Not Available


## Emergency Limits

Ingredient	TEEL-1	TEEL-2	TEEL-3
X THERM BLUE	Not Available	Not Available	Not Available

Ingredient	Original IDLH	Revised IDLH
X THERM BLUE	Not Available	Not Available

## Exposure controls

<b>Appropriate engineering controls</b>	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard.
<b>Personal protection</b>	
<b>Eye and face protection</b>	► Safety glasses with side shields.
<b>Skin protection</b>	Overalls, gloves
<b>Respiratory protection</b>	For grinding and sawing the use of a general dust mask is recommended
<b>Other protection</b>	Ventilation requires during grinding or sawing. Foam can produce dust particles, which may under certain conditions form explosive dust atmospheres that can be ignited,

## SECTION 9 Physical and chemical properties

## Information on basic physical and chemical properties

<b>Appearance</b>	odourless blue closed-cell foam		
<b>Physical state</b>	Solid	<b>Relative density (Water = 1)</b>	0.02-0.06
<b>Odour</b>	Not Available	<b>Partition coefficient n-octanol / water</b>	Not Available
<b>Odour threshold</b>	Not Available	<b>Auto-ignition temperature (°C)</b>	Not Available
<b>pH (as supplied)</b>	Not Available	<b>Decomposition temperature (°C)</b>	>316
<b>Melting point / freezing point (°C)</b>	104	<b>Viscosity (cSt)</b>	Not Available
<b>Initial boiling point and boiling range (°C)</b>	Not Available	<b>Molecular weight (g/mol)</b>	Not Available
<b>Flash point (°C)</b>	Not Available	<b>Taste</b>	Not Available
<b>Evaporation rate</b>	Not Available	<b>Explosive properties</b>	Not Available
<b>Flammability</b>	Not Available	<b>Oxidising properties</b>	Not Available
<b>Upper Explosive Limit (%)</b>	Not Available	<b>Surface Tension (dyn/cm or mN/m)</b>	Not Applicable
<b>Lower Explosive Limit (%)</b>	Not Available	<b>Volatile Component (%vol)</b>	0
<b>Vapour pressure (kPa)</b>	Not Available	<b>Gas group</b>	Not Available
<b>Solubility in water</b>	Immiscible	<b>pH as a solution (Not Available%)</b>	Not Available
<b>Vapour density (Air = 1)</b>	Not Available	<b>VOC g/L</b>	0

## SECTION 10 Stability and reactivity

<b>Reactivity</b>	See section 7
<b>Stability</b>	► the product is stable and hazardous polymerization will not occur.
<b>Possibility of hazardous reactions</b>	See section 7

Continued...

## XTHERM BLUE

<b>Conditions to avoid</b>	See section 7
<b>Incompatible materials</b>	See section 7
<b>Hazardous decomposition products</b>	See section 5

## SECTION 11 Toxicological information

## Information on toxicological effects

<b>Inhaled</b>	Inhalation may cause coughing, nose and throat irritation and sneezing.
<b>Ingestion</b>	Ingestion may cause transient irritation of throat, stomach and gastrointestinal tract.
<b>Skin Contact</b>	Dust from cutting and drilling may cause mechanical irritation to skin.
<b>Eye</b>	Dust from cutting and drilling may cause mechanical irritation to eyes.
<b>Chronic</b>	Long-term dust exposure may cause difficulty breathing, congestion, and chest tightness.

<b>XTHERM BLUE</b>	<b>TOXICITY</b>	<b>IRRITATION</b>
	Not Available	Not Available

<b>Acute Toxicity</b>	✘	<b>Carcinogenicity</b>	✘
<b>Skin Irritation/Corrosion</b>	✘	<b>Reproductivity</b>	✘
<b>Serious Eye Damage/Irritation</b>	✘	<b>STOT - Single Exposure</b>	✘
<b>Respiratory or Skin sensitisation</b>	✘	<b>STOT - Repeated Exposure</b>	✘
<b>Mutagenicity</b>	✘	<b>Aspiration Hazard</b>	✘

## SECTION 12 Ecological information

## Toxicity

<b>XTHERM BLUE</b>	<b>Endpoint</b>	<b>Test Duration (hr)</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	Not Available	Not Available	Not Available	Not Available	Not Available

**DO NOT** discharge into sewer or waterways.

## Persistence and degradability

<b>Ingredient</b>	<b>Persistence: Water/Soil</b>	<b>Persistence: Air</b>
	No Data available for all ingredients	No Data available for all ingredients

## Bioaccumulative potential

<b>Ingredient</b>	<b>Bioaccumulation</b>
	No Data available for all ingredients

## Mobility in soil

<b>Ingredient</b>	<b>Mobility</b>
	No Data available for all ingredients

## SECTION 13 Disposal considerations

## Waste treatment methods

<b>Product / Packaging disposal</b>	▶ Recycle wherever possible.
-------------------------------------	------------------------------

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

## Disposal Requirements

Dispose of waste material according to local regulations.

## SECTION 14 Transport information

## XTHERM BLUE

## 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

National Inventory	Status
--------------------	--------

## SECTION 16 Other information

Revision Date	09/08/2022
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  
 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

**XTHERM BLUE**

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  
TCST: Taiwan Chemical Substance Inventory  
INSQ: Inventario Nacional de Sustancias Químicas  
NCI: National Chemical Inventory  
FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances

Powered by AuthorITe, from Chemwatch.