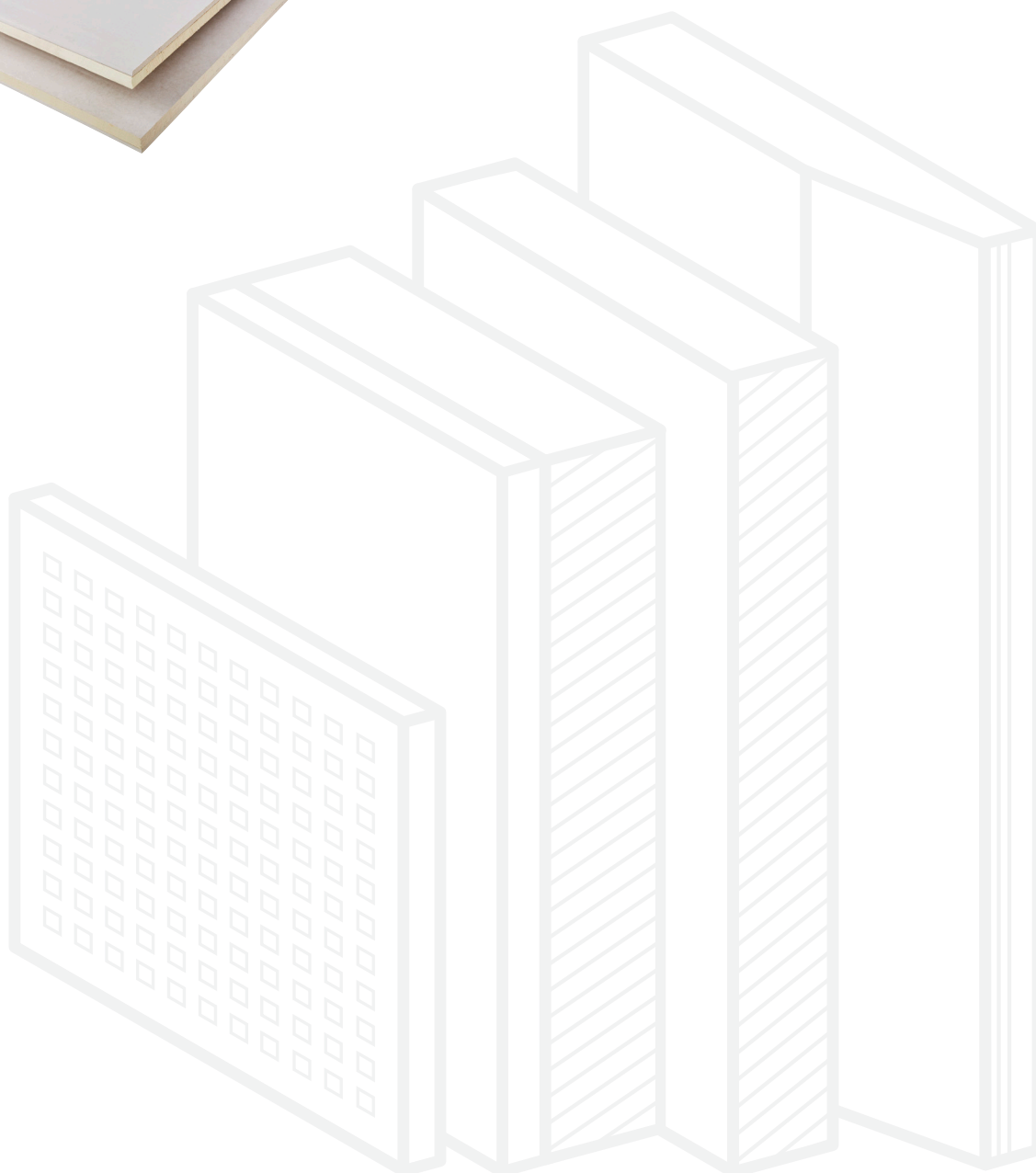


## Safety Data Sheet

Gyproc® ThermaLine PIR



This safety data sheet was created pursuant to the requirements of:  
The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 and The Chemicals (Health  
and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU  
Exit) Regulations 2019 No. 720

Issuing Date 03-Oct-2023

Revision Date 03-Oct-2023

Revision Number 1

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

### 1.1. Product identifier

**Product Name** Gyproc ThermaLine PIR

**Synonyms** None

**Pure substance/mixture** Substance

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

**Recommended use** Thermal or sound insulating internal linings in buildings

**Uses advised against** No specific uses advised against are identified

### 1.3. Details of the supplier of the safety data sheet

**Supplier**

British Gypsum  
East Leake  
Loughborough  
Leicestershire  
LE12 6HX  
UK  
T: +44 (0) 115 945 6123

**For further information, please contact**

**E-mail address** bgtechnical.enquiries@bpb.com

### 1.4. Emergency telephone number

**Emergency telephone** + 44 (0) 115 945 6123 8:30am - 5:00pm Monday - Friday (GMT)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Not classified

### 2.2. Label elements

Not classified

**Hazard statements**

Not classified.  
EUH210 - Safety data sheet available on request

### 2.3. Other hazards

The adhesive contains 2-methyl-2H-isothiazol-3-one [MIT], 1,2-benzisothiazol-3(2H)-one [BIT], reaction mass of

5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) [C(M)IT/MIT]. May produce an allergic reaction in the unlikely event that the adhesive is liberated from the boards. Dust may irritate the eyes and the respiratory system. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Chemical name	Weight-%	EC No (EU Index No)	UK REACH registration number	Classification according to GB CLP (SI 2020/1567 as amended)	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Calcium sulfate dihydrate 7778-18-9	50-100	231-900-3	-	-	-	-	-

**Full text of H- and EUH-phrases: see section 16**

#### Additional information

Gyproc ThermaLine PIR has a rigid polyisocyanurate foam laminate, backed on both sides with a multi-layer vapour control layer Calcium sulfate dihydrate encased in paper liners. Natural constituents may include minor amounts of quartz

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (UK REACH Article 59)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	Due to the physical nature of this product, exposure by this route is unlikely. IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. Get medical attention immediately if symptoms occur.
<b>Eye contact</b>	Due to the physical nature of this product, exposure by this route is unlikely. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.
<b>Skin contact</b>	Wash skin with soap and water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Due to the physical nature of this product, exposure by this route is unlikely. IF SWALLOWED: Have victim sip a glass of water if able to swallow. If vomiting occurs, lean victim forward to reduce the risk of aspiration. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

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

<b>Symptoms</b>	Exposure to the contents is not anticipated during normal handling and use.
<b>Effects of Exposure</b>	Under normal conditions of use, no exposure to hazardous components is expected.

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

<b>Note to doctors</b>	Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable Extinguishing Media** CO<sub>2</sub>, dry chemical, dry sand, alcohol-resistant foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

### 5.2. Special hazards arising from the substance or mixture

**Specific hazards arising from the chemical** Polyisocyanurate (PIR) foam: If ignited, small quantities of hydrogen cyanide (HCN) and other toxic gases may be formed. In case of a fire involving the product, firefighters shall be informed that PIR foam is involved.

**Hazardous combustion products** Carbon oxides, Oxides of sulphur, Hydrogen cyanide, Harmful gases or vapours.

### 5.3. Advice for firefighters

**Special protective equipment and precautions for fire-fighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Protective equipment and precautions for firefighters.

## **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Do not breathe dust. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

**For emergency responders** Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

**Environmental precautions** The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment. Collect spillage. Avoid release to the environment. Inform authorities in the event of product spillage to water courses or sewage systems.

### 6.3. Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Wear personal protective clothing (see section 8). Clear up spills immediately and dispose of waste safely. Reuse or recycle wherever possible. Stay upwind. Avoid generation of dust. After cleaning, flush away traces with water. Prevent product from entering drains. Dispose of wastes in an approved waste disposal facility.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

### 6.4. Reference to other sections

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feedingstuffs. Wear personal protective clothing (see section 8).

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Minimise dust generation and accumulation. Ensure adequate ventilation.

**General hygiene considerations** Take off contaminated clothing and wash it before reuse. Wash hands before breaks and after work. Do not eat, drink or smoke when using this product.

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

**Storage Conditions** Store in a cool, well ventilated area. See section 10 for more information. Avoid excessive heat and ignition sources.

## 7.3. Specific end use(s)

**Specific use(s)** The identified uses for this product are detailed in Section 1.2.

**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

### Exposure Limits

Chemical name	United Kingdom
Calcium sulfate dihydrate 7778-18-9	TWA: 10 mg/m <sup>3</sup> TWA: 4.0 mg/m <sup>3</sup>

**Biological occupational exposure limits** This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

### Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
Calcium sulfate dihydrate 7778-18-9			21.17 mg/m <sup>3</sup> [4] [6] 5082 mg/m <sup>3</sup> [4] [7]

### Notes

[4] Systemic health effects.  
[6] Long term.  
[7] Short term.

### Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
Calcium sulfate dihydrate 7778-18-9	1.52 mg/kg bw/day [4] [6] 11.4 mg/kg bw/day [4] [7]		5.29 mg/m <sup>3</sup> [4] [6] 3811 mg/m <sup>3</sup> [4] [7]

### Notes

[4] Systemic health effects.  
[6] Long term.  
[7] Short term.

### Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
Calcium sulfate dihydrate 7778-18-9			100 mg/L		

## 8.2. Exposure controls

### Engineering controls

Showers  
Eyewash stations  
Ventilation systems.

### Personal protective equipment

#### Eye/face protection

Use good hygiene practices while handling this material. Safety glasses with side shields should be worn at a minimum. In dusty environments, goggles or glasses designed for dust protection are recommended. Eye protection must conform to standard EN 166.

#### Hand protection

During cutting, grinding or sanding operations, wear protective gloves if handling sharp or rough edges. Gloves must conform to standard EN 374.

#### Skin and body protection

No special protective equipment required.

#### Respiratory protection

Harmful dust may be released during cutting or grinding process. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Check that the respirator fits tightly and the filter is changed regularly.

#### General hygiene considerations

Take off contaminated clothing and wash it before reuse. Wash hands before breaks and after work. Do not eat, drink or smoke when using this product.

#### Environmental exposure controls

Avoid creating dust.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance	Flat sheet boards in different lengths and thicknesses, with a tapered edge
Physical state	Solid
Colour	Grey, White, Cream
Odour	Odourless
Odour threshold	No information available

Property	Values	Remarks • Method
Melting point / freezing point		No data available
Initial boiling point and boiling range		No data available
Flammability		No data available
Flammability Limit in Air		
Upper flammability or explosive limits		No data available
Lower flammability or explosive limits		No data available
Flash point		No data available
Autoignition temperature		No data available
Decomposition temperature		No data available
pH		No data available
pH (as aqueous solution)		No data available
Kinematic viscosity		No data available
Dynamic viscosity		No data available
Water solubility		No data available
Solubility(ies)		No data available

Partition coefficient	No data available
Vapour pressure	No data available
Relative density	No data available
Bulk density	No data available
Liquid Density	No data available
Relative vapour density	No data available
Particle characteristics	
Particle Size	No data available
Particle Size Distribution	No data available

Explosive properties	No information available.
Oxidising properties	No information available.

**9.2. Other information**

VOC	No information available
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**SECTION 10: Stability and reactivity****10.1. Reactivity**

Reactivity	None under normal use conditions.
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**10.2. Chemical stability**

Stability	Stable under normal conditions.
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**Explosion data**

Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.

**10.3. Possibility of hazardous reactions**

Possibility of hazardous reactions	None under normal processing.
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**10.4. Conditions to avoid**

Conditions to avoid	Avoid accumulation of airborne dusts. Keep away from heat, sparks and open flame.
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**10.5. Incompatible materials**

Incompatible materials	None known based on information supplied.
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**10.6. Hazardous decomposition products**

Hazardous decomposition products	Does not decompose when used and stored as recommended.
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**SECTION 11: Toxicological information****11.1. Toxicological information****Information on likely routes of exposure****Product Information**

Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available.
Skin contact	Specific test data for the substance or mixture is not available.

**Ingestion**

Specific test data for the substance or mixture is not available.

**Symptoms related to the physical, chemical and toxicological characteristics****Symptoms**

No information available.

**Acute toxicity****Numerical measures of toxicity****Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Calcium sulfate dihydrate	> 2000 mg/kg ( Rat )	-	> 3.26 mg/l

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

Component Information	
Calcium sulfate dihydrate (7778-18-9)	
Method	OECD Test No. 404: Acute Dermal Irritation/Corrosion
Exposure route	Dermal
Effective dose	0.5 g
Exposure time	4 hours
Results	non-irritant

**Serious eye damage/eye irritation**

Based on available data, the classification criteria are not met.

Component Information	
Calcium sulfate dihydrate (7778-18-9)	
Method	OECD Test No. 405: Acute Eye Irritation/Corrosion
Exposure route	Eye
Effective dose	0.1 g
Results	non-irritant

**Respiratory or skin sensitisation**

Based on available data, the classification criteria are not met.

Component Information	
Calcium sulfate dihydrate (7778-18-9)	
Method	OECD Test No. 406: Skin Sensitisation
Exposure route	Dermal
Results	Not a skin sensitiser

**Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

Component Information	
Calcium sulfate dihydrate (7778-18-9)	
Method	OECD Test No. 471: Bacterial Reverse Mutation Test
Species	in vitro
Results	Not mutagenic

Method	OECD Test No. 474: Mammalian Erythrocyte Micronucleus Test
Species	in vivo
Results	Not mutagenic

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT - single exposure** Based on available data, the classification criteria are not met.

**STOT - repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

**Other adverse effects** No information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicity

Component Information	
Calcium sulfate dihydrate (7778-18-9)	
Results	Not toxic at limit of water solubility

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Calcium sulfate dihydrate	-	LC50: =2980mg/L (96h, <i>Lepomis macrochirus</i> ) LC50: >1970mg/L (96h, <i>Pimephales promelas</i> )	-	-

### 12.2. Persistence and degradability

**Persistence and degradability** No information available.

Component Information			
Calcium sulfate dihydrate (7778-18-9)			
Method	Exposure time	Value	Results
-	-	-	Substance is inorganic. Not relevant

### 12.3. Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

### 12.4. Mobility in soil

**Mobility in soil** No information available.

**12.5. Results of PBT and vPvB assessment**

**PBT and vPvB assessment** The product does not contain any substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
Calcium sulfate dihydrate	The substance is not PBT / vPvB

**12.6. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

**Waste from residues/unused products** Can be landfilled or incinerated, when in compliance with local regulations. Dispose of waste in accordance with environmental legislation. Reuse or recycle wherever possible. This material and its container must be disposed of in a safe way.

**Contaminated packaging** Do not reuse empty containers.

**SECTION 14: Transport information****IMDG**

	Not regulated
14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special Precautions for Users	
Special Provisions	None
14.7 Maritime transport in bulk according to IMO instruments	No information available

**RID**

	Not regulated
14.1 UN number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special Precautions for Users	
Special Provisions	None

**ADR**

	Not regulated
14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special Precautions for Users	
Special Provisions	None

**IATA**

	Not regulated
14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special Precautions for Users	

**Special Provisions**

None

**Note:**

None

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Authorisations and/or restrictions on use:**

This product does not contain substances subject to authorisation (UK REACH - Annex XIV). This product does not contain substances subject to restriction (UK REACH - Annex XVII).

**Persistent Organic Pollutants**

Not applicable

**Export Notification requirements**

Not applicable

**Named dangerous substances per COMAH (SI 2015/483 as amended)**

Not applicable

**The Ozone-Depleting Substances Regulations 2015**

Not applicable

**The Biocidal Products Regulations 2001 (as amended)**

Not applicable

**The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended)**

Not applicable

**Poisons Act 1972 (Explosive Precursors) Regulations (as amended)**

Not applicable

**International Inventories**

Contact supplier for inventory compliance status

**15.2. Chemical safety assessment****Chemical Safety Report**

No information available

**SECTION 16: Other information****Key or legend to abbreviations and acronyms used in the safety data sheet****Legend**

SVHC: Substances of Very High Concern for Authorisation:

**Legend Section 8: Exposure controls/personal protection**

TWA TWA (time-weighted average)

Ceiling Maximum limit value

+ Sensitisers

STEL

\*

SCBA

STEL (Short Term Exposure Limit)

Skin designation

Self-contained breathing apparatus

**Classification procedure**

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Method Used

Acute oral toxicity

Calculation method

Acute dermal toxicity

Calculation method

Acute inhalation toxicity - gas

Calculation method

Acute inhalation toxicity - vapour

Calculation method

Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)  
 European Chemicals Agency (ECHA) (ECHA\_API)  
 EPA (Environmental Protection Agency)  
 Acute Exposure Guideline Level(s) (AEGL(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 National Institute of Technology and Evaluation (NITE)  
 Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications  
 Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme  
 Organisation for Economic Co-operation and Development Screening Information Data Set  
 World Health Organization

**Issuing Date** 03-Oct-2023

**Revision Date** 03-Oct-2023

**Revision Note** Initial Release

**This material safety data sheet complies with the requirements of UK REACH**

**Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work**

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of Safety Data Sheet**