

Supersedes date 27-Jul-2023

Revision date 09-Oct-2025

Revision Number 4

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

### 1.1. Product identifier

Product Name Gyproc Aquaroc

Synonyms None

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

Recommended use Internal and external walls and ceiling finishes

Uses advised against No specific uses advised against are identified

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

#### Supplier

Saint-Gobain Construction Products (Ireland) Limited  
Unit 4 Kilcarbery Business Park  
Nangor Road  
Dublin 22  
D22 R2Y7  
Ireland  
Tel: +353 (0)1 629 8444

#### For further information, please contact

E-mail address enquiries@gyproc.ie

### 1.4. Emergency telephone number

Emergency telephone ROI: 1800 744480  
NI: 0845 3990159  
(Monday - Friday, 9am - 5pm)

Emergency telephone - Contact number	
Europe	112

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

This product is an article. Classification according to CLP is not applicable to articles.

### 2.2. Label elements

#### Additional information

As supplied, this product does not meet the requirements for labelling.

**2.3. Other hazards**

<b>Other hazards</b>	Cutting and handling may create dust. Product dust may be irritating to eyes, skin and respiratory system. Sharp edges and corners may cause cuts and abrasions. Cement is an alkaline material and could cause dermatological problems in the wet state.
<b>PBT or vPvB properties</b>	None known.
<b>Endocrine Disruptor Information</b>	This product does not contain any known or suspected endocrine disruptors.

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not applicable

**3.2 Mixtures**

This product is an article. Composed of mineral matter (sand and cement) reinforced with resistant glass fibers roving or mesh.

**Ingredients**

The components shown below may be present in the final article and have occupational exposure limits and/or biological occupational exposure limits requiring monitoring (see Section 8)

Chemical name	Weight-%	REACH registration number	EC No. (Index No.)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Notes
Cement, portland, chemicals 65997-15-1	-	-	266-043-4	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1B (H317) STOT SE 3 (H335)	-	-	-	-

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

**Acute Toxicity Estimate**

*If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components*

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Cement, portland, chemicals 65997-15-1	-	> 2000	-	-	-

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59).

**SECTION 4: First aid measures****4.1. Description of first aid measures**

<b>General advice</b>	Get medical attention if irritation or other symptoms occur. Take a copy of the Safety Data Sheet when going for medical treatment.
<b>Inhalation</b>	Not an expected route of exposure. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned: Get medical advice/attention.
<b>Eye contact</b>	Not an expected route of exposure. 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>	IF SWALLOWED: Drink 1 or 2 glasses of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical attention immediately if symptoms occur.

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

<b>Symptoms</b>	Harmful dust may be released during cutting or grinding process. Product dust may be irritating to eyes, skin and respiratory system. May cause discomfort if swallowed. Prolonged contact may cause redness and irritation.
<b>Effects of Exposure</b>	None known.

#### **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**

<b>Suitable Extinguishing Media</b>	Dry chemical, CO <sub>2</sub> , alcohol-resistant foam or water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media</b>	Do not use a solid water stream as it may scatter and spread fire.

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

<b>Specific hazards arising from the chemical</b>	None known based on information supplied.
<b>Hazardous combustion products</b>	Harmful gases or vapours. Oxides of sulphur. Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ).

#### **5.3. Advice for firefighters**

<b>Special protective equipment and precautions for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
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### **SECTION 6: Accidental release measures**

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

<b>Personal precautions</b>	Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Wear personal protective clothing (see section 8). Avoid breathing dust. Avoid contact with eyes. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Wash thoroughly after handling.
<b>For emergency responders</b>	Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

**Environmental precautions** Collect spillage. Avoid release to the environment. Local authorities should be advised if significant spillages cannot be contained. See Section 12 for additional Ecological Information.

**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** Use personal protection recommended in Section 8. Clear up spills immediately and dispose of waste safely. Stay upwind. Collect spillage. Sweep up and shovel into suitable containers for disposal. Avoid generation of dust. Prevent product from entering drains. After cleaning, flush away traces with water. Wash thoroughly after handling. 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 11 for more information. See section 13 for more information.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

**Advice on safe handling** Read carefully and follow all instructions. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. See section 8 for more information. Keep away from food, drink and animal feedingstuffs. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Minimise dust generation and accumulation. Do not breathe dust. Ensure adequate ventilation.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and after work. When using do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing and wash it before reuse.

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

**Storage Conditions** Store away from incompatible materials. Store in accordance with local regulations. Store in a cool, well ventilated area. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep away from combustible material.

**7.3. Specific end use(s)**

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

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

**Exposure Limits** Exposure to these ingredients as inhalable or respirable dust is minimal during normal use. Avoid generation of dust.

Chemical name	Austria	Belgium	Bulgaria	Croatia
Cement, portland, chemicals 65997-15-1	TWA-TMW: 5 mg/m <sup>3</sup> ; inhalable fraction	TWA: 1 mg/m <sup>3</sup> ; alveolar dust	TWA: 8.0 mg/m <sup>3</sup> ; dust, inhalable fraction	TWA-GVI: 10 mg/m <sup>3</sup> ; total dust, inhalable

				particles TWA-GVI: 4 mg/m <sup>3</sup> ; respirable dust
<b>Chemical name</b>	<b>Cyprus</b>	<b>Czech Republic</b>	<b>Denmark</b>	<b>Estonia</b>
Cement, portland, chemicals 65997-15-1	-	TWA: 10.0 mg/m <sup>3</sup> ; dust	-	TWA: 10 mg/m <sup>3</sup> ; total dust TWA: 5 mg/m <sup>3</sup> ; respirable dust
<b>Chemical name</b>	<b>Finland</b>	<b>France</b>	<b>Germany TRGS</b>	<b>Germany DFG</b>
Cement, portland, chemicals 65997-15-1	TWA: 5 mg/m <sup>3</sup> ; inhalable dust TWA: 1 mg/m <sup>3</sup> ; respirable dust	-	-	TWA-MAK: ; ;
<b>Chemical name</b>	<b>Greece</b>	<b>Hungary</b>	<b>Italy MDLPS</b>	<b>Italy AIDII</b>
Cement, portland, chemicals 65997-15-1	-	TWA-AK: 10 mg/m <sup>3</sup> ;	-	TWA: 1 mg/m <sup>3</sup> ; respirable fraction
<b>Chemical name</b>	<b>Ireland</b>	<b>Latvia</b>	<b>Lithuania</b>	<b>Luxembourg</b>
Cement, portland, chemicals 65997-15-1	TWA: 1 mg/m <sup>3</sup> ; respirable fraction STEL: 3 mg/m <sup>3</sup> (calculated); res pirable fraction	TWA: 6 mg/m <sup>3</sup> ;	TWA-IPRD: 10 mg/m <sup>3</sup> ; inhalable fraction TWA-IPRD: 5 mg/m <sup>3</sup> ; respirable fraction	-
<b>Chemical name</b>	<b>Malta</b>	<b>Netherlands</b>	<b>Norway</b>	<b>Poland</b>
Cement, portland, chemicals 65997-15-1	-	-	-	TWA-NDS: 6 mg/m <sup>3</sup> ; inhalable fraction TWA-NDS: 2 mg/m <sup>3</sup> ; respirable fraction
<b>Chemical name</b>	<b>Portugal</b>	<b>Romania</b>	<b>Slovakia</b>	<b>Slovenia</b>
Cement, portland, chemicals 65997-15-1	TWA (VLE-MP): 1 mg/m <sup>3</sup> ; respirable fraction	TWA: 10 mg/m <sup>3</sup> ; dust, inhalable fraction	-	-
<b>Chemical name</b>	<b>Spain</b>	<b>Sweden</b>	<b>Switzerland</b>	<b>United Kingdom</b>
Cement, portland, chemicals 65997-15-1	TWA-(VLA-ED): 4 mg/m <sup>3</sup> ;	-	TWA-MAK: 5 mg/m <sup>3</sup> ; dust, inhalable dust S	TWA: 10 mg/m <sup>3</sup> ; inhalable dust TWA: 4 mg/m <sup>3</sup> ; respirable dust STEL: 30 mg/m <sup>3</sup> ; inhalable dust STEL: 12 mg/m <sup>3</sup> ; respirable dust

**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** No information available

**Derived No Effect Level (DNEL) - General Public** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

**8.2. Exposure controls****Engineering controls**

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location. Apply technical measures to comply with the occupational exposure limits.

**Personal protective equipment**

<b>Eye/face protection</b>	If there is a risk of contact: Tight sealing safety goggles. Eye protection must conform to standard EN 166.
<b>Hand protection</b>	Repeated or prolonged contact: Wear suitable gloves. During cutting, grinding or sanding operations, wear protective gloves if handling sharp or rough edges.
<b>Skin and body protection</b>	No special protective equipment required.
<b>Respiratory protection</b>	Harmful dust may be released during cutting or grinding process. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Dust mask for dust formation. Disposable filtering half mask respirators should comply with European Standard EN149 or EN405. 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.
<b>Environmental exposure controls</b>	Avoid creating dust.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Appearance</b>	Board
<b>Physical state</b>	Solid
<b>Colour</b>	Grey
<b>Odour</b>	Odourless
<b>Odour threshold</b>	No information available

<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>
<b>Melting point / freezing point</b>		No data available
<b>Boiling point or initial boiling point and boiling range</b>		No data available
<b>Flammability</b>		No data available
<b>Lower and upper explosion limit/flammability limit</b>		
<b>Lower explosion limit</b>		No data available
<b>Upper explosion limit</b>		No data available
<b>Flash point</b>		No data available
<b>Autoignition temperature</b>		No data available
<b>Decomposition temperature</b>		No data available
<b>SADT (°C)</b>		No data available
<b>pH</b>		No data available
<b>pH (as aqueous solution)</b>		No data available
<b>Kinematic viscosity</b>		No data available
<b>Dynamic viscosity</b>		No data available
<b>Water solubility</b>	Insoluble in water	No data available
<b>Solubility</b>		No data available
<b>Partition coefficient n-octanol/water (log value)</b>		No data available
<b>Vapour pressure</b>		No data available
<b>Density and/or relative density</b>		No data available
<b>Bulk density</b>	1400 g/m <sup>3</sup>	No data available
<b>Liquid Density</b>		No data available
<b>Relative vapour density</b>		No data available
<b>Particle characteristics</b>		
<b>Particle Size</b>		No data available
<b>Particle Size Distribution</b>		No data available

**9.2. Other information**

<b>Molecular weight</b>	No information available
<b>VOC content</b>	No information available
<b>Softening point</b>	No information available

### 9.2.1. Information with regards to physical hazard classes

#### Explosives

Explosive properties No information available

**Oxidising properties** No information available

### 9.2.2. Other safety characteristics

No information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** None under normal use conditions.

### 10.2. Chemical stability

**Stability** Stable under normal conditions. Stable under recommended storage conditions.

#### 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.

### 10.4. Conditions to avoid

**Conditions to avoid** Dust formation. Extremes of temperature and direct sunlight.

### 10.5. Incompatible materials

**Incompatible materials** None known based on information supplied.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** None under normal use conditions.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Information on likely routes of exposure

##### Product Information

**Inhalation** Harmful dust may be released during cutting or grinding process. Inhalation of dust in high concentration may cause irritation of respiratory system.

**Eye contact** Not an expected route of exposure. Dust contact with the eyes can lead to mechanical irritation.

**Skin contact** Prolonged contact may cause redness and irritation. Contact with dust can cause mechanical irritation or drying of the skin. Cement is an alkaline material and could cause dermatological problems in the wet state.

**Ingestion** Not an expected route of exposure. May cause gastrointestinal discomfort.

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

**Symptoms** Harmful dust may be released during cutting or grinding process. Product dust may be irritating to eyes, skin and respiratory system. May cause discomfort if swallowed. Prolonged contact may cause redness and irritation.

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

**Numerical measures of toxicity** No information available.

### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Cement, portland, chemicals	-	> 2000 mg/kg ( Rabbit )	-

### 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.

**Serious eye damage/eye irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**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** Not applicable.

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

**Endocrine disruption for human health** This product does not contain any known or suspected endocrine disruptors.

#### 11.2.2. Other information

**Other adverse effects** None known based on information supplied.

## **SECTION 12: Ecological information**

**12.1. Toxicity** Based on available data, the classification criteria are not met. Not considered to be harmful to aquatic life.

**12.2. Persistence and degradability** No information available.

**12.3. Bioaccumulative potential** No information available.

**12.4. Mobility in soil** No information available.

**12.5. Results of PBT and vPvB assessment** No information available.

Chemical name	PBT and vPvB assessment
Cement, portland, chemicals	Not PBT/vPvB

**12.6. Endocrine disrupting properties** This product does not contain any known or suspected endocrine disruptors.

**12.7. Other adverse effects** None known based on information supplied.

**PMT or vPvM properties** Based on available data, the classification criteria are not met.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Waste from residues/unused products** The generation of waste should be minimised or avoided wherever possible. Recover or recycle if possible. This material and its container must be disposed of in a safe way. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.

**Waste codes / waste designations according to EWC / AVV** According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

## SECTION 14: Transport information

**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 regulated

14.5 Environmental hazards Not applicable

14.6 Special precautions for user  
Special Provisions None

**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 regulated

14.5 Environmental hazards Not applicable

14.6 Special precautions for user

**Special Provisions** None  
**14.7 Maritime transport in bulk according to IMO instruments** No information available

**RID** 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 regulated  
**14.5 Environmental hazards** Not applicable  
**14.6 Special precautions for user**  
**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 regulated  
**14.5 Environmental hazards** Not applicable  
**14.6 Special precautions for user**  
**Special Provisions** None

**ADN** 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 hazard** Not applicable  
**14.6 Special precautions for user**  
**Special Provisions** None

## SECTION 15: Regulatory information

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

#### National regulations

##### France

##### Occupational Illnesses (R-463-3, France)

Chemical name	French RG number
Cement, portland, chemicals 65997-15-1	RG 8, RG 10

##### Chemical Prohibition Ordinance (ChemVerbotsV)

Not applicable.

**TRGS 905** Not applicable

**Ordinance on the Incentive Tax on Volatile Organic Compounds (OVOC) SR 814.018** Not applicable  
**Storage of Hazardous Material** Not applicable  
**WPO (GSchV) SR 814.201; WPA (GSchG) SR 814.20** Not applicable  
**Major Accidents Ordinance SR 814.012** Not applicable

#### European Union

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.

**Authorisations and/or restrictions on use:**

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

**Persistent Organic Pollutants**

Not applicable

**Ozone-depleting substances (ODS) regulation (EC) 2024/590**

Not applicable.

**Explosives Precursors Marketing and Use (2019/1148)**

Not applicable.

**International Inventories**

Contact supplier for inventory compliance status

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

Not applicable.

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

List may include phrases which are not applicable to this product

ACGIH	American Conference of Governmental Industrial Hygienists
AIDII	Italian Association of Industrial Hygienists
ADN	Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Europe)
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road (Europe)
AIIC	Australian Inventory of Industrial Chemicals
ATE	Acute Toxicity Estimate
ASTM	American Society for the Testing of Materials
bar	Biological Reference Values for Chemical Compounds in the Work Area
BAT	Biological tolerance values for occupational exposure
BEL	Biological exposure limits
bw	Body weight
Ceiling	Maximum limit value
CLP	Classification, Labelling and Packaging Regulation; Regulation (EC) No 1272/2008
CMR	Carcinogen, Mutagen or Reproductive Toxicant
DFG	German Research Foundation
DOT	Department of Transportation (United States)
DSL	Domestic Substances List (Canada)
ECHA	European Chemicals Agency
EC Number	European Community number
EmS	Emergency Schedule
ENCS	Existing and New Chemical Substances (Japan)
EPA	U.S. Environmental Protection Agency
EWC	European Waste Codes
GHS	Globally Harmonized System

IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO	International Civil Aviation Organisation
IECSC	Inventory of Existing Chemical Substances in China
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Organisation for Standardisation
KECI	Korean Existing Chemicals Inventory
LC50	Lethal Concentration to 50% of a test population
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
MAK	Maximum Concentration at the Workplace
MAL	Measuring Technical Hygienic Air Needs
MARPOL	International Convention for the Prevention of Pollution from Ships
MDLPS	Ministry of Labour and Social Policy
n.o.s.	Not Otherwise Specified
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
NOELR	No Observable Effect Loading Rate
NZIoC	New Zealand Inventory of Chemicals
OECD	Organization for Economic Cooperation and Development
OEL	Occupational exposure limits
PBT	Persistent, Bioaccumulative and Toxic substance
PICCS	Philippines Inventory of Chemicals and Chemical Substances
PMT	Persistent, Mobile and Toxic
PPE	Personal protective equipment
QSAR	Quantitative Structure Activity Relationship
REACH	Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)
RID	Agreement concerning the International Carriage of Dangerous Goods by Rail (Europe)
SADT	Self-Accelerating Decomposition Temperature
SAR	Structure-activity relationship
SDS	Safety Data Sheet
SL	Surface Limit
STEL	Short Term Exposure Limit
STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure
SVHC	Substance of very high concern
TCSI	Taiwan Chemical Substance Inventory
TDG	Transport of Dangerous Goods (Canada)
TRGS	Technical Rule for Hazardous Substances
TSCA	Toxic Substances Control Act (United States)
TWA	Time-Weighted Average
UN	United Nations
VOC	Volatile organic compounds
vPvB	Very Persistent and Very Bioaccumulative
vPvM	Very Persistent and Very Mobile
As	Allergenic substance
C	Carcinogen
DS	Dermal Sensitizer
Ot	Ototoxicant
pOt	Ototoxicant - potential to cause hearing disorders
PS	Photosensitiser
RS	Respiratory Sensitiser
S	Sensitiser

poS	Sensitizer - capable of causing occupational asthma
Sa	Simple asphyxiant
Sd	Skin designation
pSd	Skin designation - potential for cutaneous absorption
Sdv	Skin designation - vacated
Sk	Skin notation
dSk	Skin notation - danger of cutaneous absorption
pSk	Skin notation - potential for cutaneous absorption

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

U.S. 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)  
 U.S. 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)  
 Japan GHS Classification  
 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)  
 U.S. National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications  
 International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program  
 International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set  
 United Nations World Health Organization (WHO)

<b>Issuing Date</b>	16-Dec-2020
<b>Supersedes date</b>	27-Jul-2023
<b>Revision date</b>	09-Oct-2025
<b>Revision Note</b>	Document reviewed.
<b>Further information</b>	This SDS is not mandated under REACH Regulation (EC) No 1907/2006 and is provided for information only

**This safety data sheet complies with the requirements of Commission Regulation (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No. 1907/2006**

#### 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**