

Supersedes date 27-Jul-2023

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Revision Number 4

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

### 1.1. Product identifier

Product Name Gyproc Plasterboard Compound

Synonyms None

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

Recommended use Bonding compound

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 mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

### 2.2. Label elements

#### Precautionary Statements - EU (§28, 1272/2008)

P102 - Keep out of reach of children.

**2.3. Other hazards**

<b>Other hazards</b>	Product dust may be irritating to eyes, skin and respiratory system.
<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**

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
Calcium sulfate hemihydrate 10034-76-1	75 - 100	-	-	[C]	-	-	-	-
Quartz (SiO <sub>2</sub> ) 14808-60-7	1 - <5	-	238-878-4	[C]	-	-	-	-

*Classification according to Regulation (EC) No. 1272/2008 [CLP] - Notes**[C] - Components with occupational exposure limits and/or biological occupational exposure limits requiring monitoring***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
Calcium sulfate hemihydrate 10034-76-1	> 2000 mg/kg	-	> 3.26 mg/L	-	-

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. Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms occur.

<b>Eye contact</b>	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation develops and persists.
<b>Skin contact</b>	Brush off loose particles from skin. Wash skin with soap and water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Clean mouth with water and afterwards drink plenty of water. Get medical attention if symptoms occur. Do not induce vomiting without medical advice. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Never give anything by mouth to an unconscious person.

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

<b>Symptoms</b>	Product dust may be irritating to eyes, skin and respiratory system. May cause redness and tearing of the eyes. May cause discomfort if swallowed.
<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 agent suitable for type of surrounding fire.
<b>Unsuitable extinguishing media</b>	Full water jet.

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

<b>Specific hazards arising from the chemical</b>	None known.
<b>Hazardous combustion products</b>	Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ). Sulphur oxides.

#### **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>	Keep people away from and upwind of spill/leak. Do not handle until all safety precautions have been read and understood. Ensure adequate ventilation. Wear personal protective clothing (see section 8). Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash thoroughly after handling. Do not touch or walk through spilled material.
<b>For emergency responders</b>	Use personal protection recommended in Section 8.

#### **6.2. Environmental precautions**

<b>Environmental precautions</b>	Avoid release to the environment. Local authorities should be advised if significant spillages
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cannot be contained.

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

<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Use personal protection recommended in Section 8. Clear up spills immediately and dispose of waste safely. Reuse or recycle wherever possible. Stay upwind. Avoid generation of dust. Vacuum or sweep material and place in a disposal container. After cleaning, flush away traces with water. Wash thoroughly after handling.
<b>Prevention of secondary hazards</b>	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

<b>Advice on safe handling</b>	Handle in accordance with good industrial hygiene and safety practice. Read carefully and follow all instructions. Keep out of reach of children. Wear personal protective equipment. See section 8 for more information. Keep away from food, drink and animal feedingstuffs. Keep container closed when not in use. Avoid contact with skin and eyes. Minimise dust generation and accumulation. Avoid breathing dust.
<b>General hygiene considerations</b>	Wash hands before breaks and immediately after handling the product. Do not eat, drink or smoke when using this product. Take off all contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace.

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

**Storage Conditions** Store in a dry place. Store in a closed container. Store in accordance with local regulations. Store away from incompatible materials.

### 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

Chemical name	European Union			
Quartz (SiO <sub>2</sub> ) 14808-60-7	TWA: 0.1 mg/m <sup>3</sup> ;			
Chemical name	Austria	Belgium	Bulgaria	Croatia
Calcium sulfate hemihydrate 10034-76-1	-	TWA: 10 mg/m <sup>3</sup> ;	-	-
Quartz (SiO <sub>2</sub> ) 14808-60-7	TWA-TMW: 0.05 mg/m <sup>3</sup> ; alveolar dust, respirable fraction C	TWA: 0.1 mg/m <sup>3</sup> ; alveolar dust TWA: 0.05 mg/m <sup>3</sup> ;	TWA: 0.1 mg/m <sup>3</sup> ; respirable fraction	TWA-GVI: 0.1 mg/m <sup>3</sup> ; respirable dust; respirable particle
Chemical name	Cyprus	Czech Republic	Denmark	Estonia
Quartz (SiO <sub>2</sub> ) 14808-60-7	TWA: 0.1 mg/m <sup>3</sup> ; respirable dust fraction	TWA: 0.1 mg/m <sup>3</sup> ; dust	TWA: 0.3 mg/m <sup>3</sup> ; total TWA: 0.1 mg/m <sup>3</sup> ;	TWA: 0.1 mg/m <sup>3</sup> ; respirable dust

			respirable STEL: 0.6 mg/m <sup>3</sup> ; total STEL: 0.2 mg/m <sup>3</sup> ; respirable	
Chemical name	Finland	France	Germany TRGS	Germany DFG
Calcium sulfate hemihydrate 10034-76-1	-	-	-	TWA-MAK: 4 mg/m <sup>3</sup> ; II(8); inhalable fraction
Quartz (SiO <sub>2</sub> ) 14808-60-7	TWA: 0.05 mg/m <sup>3</sup> ; respirable dust	TWA-VME (restrictif): 0.1 mg/m <sup>3</sup> ; alveolar fraction	-	-
Chemical name	Greece	Hungary	Italy MDLPS	Italy AIDII
Quartz (SiO <sub>2</sub> ) 14808-60-7	TWA: 0.1 mg/m <sup>3</sup> ; respirable dust fraction	TWA-AK: 0.1 mg/m <sup>3</sup> ; respirable fraction	TWA: 0.1 mg/m <sup>3</sup> ; respirable fraction	TWA: 0.025 mg/m <sup>3</sup> ; respirable fraction
Chemical name	Ireland	Latvia	Lithuania	Luxembourg
Calcium sulfate hemihydrate 10034-76-1	TWA: 10 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup>	-	-	-
Quartz (SiO <sub>2</sub> ) 14808-60-7	TWA: 0.1 mg/m <sup>3</sup> STEL: 0.3 mg/m <sup>3</sup> (Silica, crystalline, respirable dust) TWA: 6 mg/m <sup>3</sup> TWA: 2.4 mg/m <sup>3</sup> (Silica, amorphous)	-	TWA-IPRD: 0.1 ppm; respirable fraction	TWA: 0.1 mg/m <sup>3</sup> ;
Chemical name	Malta	Netherlands	Norway	Poland
Quartz (SiO <sub>2</sub> ) 14808-60-7	-	TWA: 0.075 mg/m <sup>3</sup> ; respirable fraction	TWA: 0.05 mg/m <sup>3</sup> ; respirable dust TWA: 0.3 mg/m <sup>3</sup> ; total dust STEL: 0.9 mg/m <sup>3</sup> (value calculated;dust containing .alpha.-Quartz, Cristobalite and/or Tridymite is evaluated by summation formula. At the same time, the values for Nuisance dust must be observed); total dust STEL: 0.15 mg/m <sup>3</sup> (value calculated;dust containing .alpha.-Quartz, Cristobalite and/or Tridymite is evaluated by summation formula. At the same time, the values for Nuisance dust must be observed); respirable dust	TWA-NDS: 0.1 mg/m <sup>3</sup> ; respirable fraction
Chemical name	Portugal	Romania	Slovakia	Slovenia
Calcium sulfate hemihydrate 10034-76-1	TWA (VLE-MP): 10 mg/m <sup>3</sup> ; inhalable fraction	-	-	-
Quartz (SiO <sub>2</sub> ) 14808-60-7	TWA (VLE-MP): 0.025 mg/m <sup>3</sup> ; respirable fraction	TWA: 0.1 mg/m <sup>3</sup> ; dust, respirable fraction	TWA: 0.1 mg/m <sup>3</sup> ; STEL: 0.5 mg/m <sup>3</sup> ;	TWA: 0.05 mg/m <sup>3</sup> ; respirable fraction
Chemical name	Spain	Sweden	Switzerland	United Kingdom

Calcium sulfate hemihydrate 10034-76-1	TWA-(VLA-ED): 10 mg/m <sup>3</sup> ;	-	TWA-MAK: 3 mg/m <sup>3</sup> ; respirable dust	TWA: 10 mg/m <sup>3</sup> TWA: 4.0 mg/m <sup>3</sup>
Quartz (SiO <sub>2</sub> ) 14808-60-7	TWA-(VLA-ED): 0.05 mg/m <sup>3</sup> ; respirable fraction	TLV-NGV: 0.1 mg/m <sup>3</sup> ; respirable fraction	TWA-MAK: 0.15 mg/m <sup>3</sup> ; respirable dust	TWA: 0.1 mg/m <sup>3</sup> (Silica, respirable crystalline) TWA: 6 mg/m <sup>3</sup> TWA: 2.4 mg/m <sup>3</sup> (Silica, amorphous)

### Biological occupational exposure limits

**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

As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist. Provide extract ventilation at the points where emissions occur. Ensure the ventilation system is regularly maintained and tested.

#### Personal protective equipment

##### Eye/face protection

If there is a risk of contact: Tight sealing safety goggles. Eye protection must conform to standard EN 166.

##### Hand protection

Wear suitable gloves. Gloves must conform to standard EN 374. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.

##### Skin and body protection

Wear suitable protective clothing.

##### Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. In case of insufficient ventilation, wear suitable respiratory equipment. Disposable filtering half mask respirators should comply with European Standard EN149 or EN405.

**Environmental exposure controls** Avoid creating dust. Prevent product from entering drains.

## SECTION 9: Physical and chemical properties

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

Appearance	Powder
Physical state	Solid
Colour	Pink/Grey or White
Odour	Characteristic
Odour threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point / freezing point		No data available
Boiling point or initial boiling point and boiling range		No data available
Flammability		No data available
Lower and upper explosion limit/flammability limit		
Lower explosion limit		No data available
Upper explosion limit		No data available
Flash point		No data available
Autoignition temperature		No data available
Decomposition temperature		No data available
SADT (°C)		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	Slightly soluble	No data available
Solubility		No data available
Partition coefficient n-octanol/water (log value)		No data available
Vapour pressure		No data available
Density and/or 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

## 9.2. Other information

Molecular weight	No information available
VOC content	No information available
Softening point	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.
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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** Dust formation.

**10.5. Incompatible materials**

**Incompatible materials** Acids. Oxidising agent.

**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**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available. May cause temporary eye irritation.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available. Contact with dust can cause mechanical irritation or drying of the skin.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. May cause gastrointestinal discomfort if consumed in large amounts.

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

<b>Symptoms</b>	Product dust may be irritating to eyes, skin and respiratory system. May cause redness and tearing of the eyes. May cause discomfort if swallowed.
<b>Acute toxicity</b>	Based on available data, the classification criteria are not met.
<b>Numerical measures of toxicity</b>	No information available.

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Calcium sulfate hemihydrate	> 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 hemihydrate (10034-76-1)

Exposure route	Effective dose	Method	Species	Exposure time	Results
Dermal	0.5 g	OECD Test No. 404: Acute Dermal Irritation/Corrosion		4 hours	non-irritant

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

Component Information					
Calcium sulfate hemihydrate (10034-76-1)					
Effective dose	Method	Species	Exposure route	Exposure time	Results
0.1 g	OECD Test No. 405: Acute Eye Irritation/Corrosion		Eye		non-irritant

**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.

Calcium sulfate hemihydrate (10034-76-1)

Exposure time	Method	Value	Results
-			

**12.3. Bioaccumulative potential** Not likely to bioaccumulate.

**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
Calcium sulfate hemihydrate	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** 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** Do not reuse empty containers.

**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

<b>ADR</b>	Not regulated
<b>14.1 UN number or ID number</b>	Not regulated
<b>14.2 UN proper shipping name</b>	Not regulated
<b>14.3 Transport hazard class(es)</b>	Not regulated
<b>14.4 Packing group</b>	Not regulated
<b>14.5 Environmental hazards</b>	Not applicable
<b>14.6 Special precautions for user</b>	
<b>Special Provisions</b>	None

<b>ADN</b>	Not regulated
<b>14.1 UN number or ID number</b>	Not regulated
<b>14.2 UN proper shipping name</b>	Not regulated
<b>14.3 Transport hazard class(es)</b>	Not regulated
<b>14.4 Packing group</b>	Not applicable
<b>14.5 Environmental hazard</b>	Not applicable
<b>14.6 Special precautions for user</b>	
<b>Special Provisions</b>	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
Quartz (SiO <sub>2</sub> ) 14808-60-7	RG 25

##### Chemical Prohibition Ordinance (ChemVerbotsV)

Not applicable.

Chemical name	Number	Class
Quartz (SiO <sub>2</sub> ) 14808-60-7	5.2.7.1.1	-

##### TRGS 905

Not applicable

Chemical name	Netherlands - List of Carcinogens	Netherlands - List of Mutagens	Netherlands - List of Reproductive Toxins
Quartz (SiO <sub>2</sub> ) 14808-60-7	Present	-	-

**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.

#### EU - Plant Protection Products (1107/2009/EC)

Chemical name	EU - Plant Protection Products (1107/2009/EC)
Quartz (SiO <sub>2</sub> ) 14808-60-7	Plant protection agent

#### 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

#### Full text of any hazard and/or precautionary statements referred to under Sections 2-15

H315 - Causes skin irritation

H318 - Causes serious eye damage

H335 - May cause respiratory irritation

#### 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)
AIC	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	Photosensitizer
RS	Respiratory Sensitizer
S	Sensitizer
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

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

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)

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**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**

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**End of Safety Data Sheet**