

# CLAYTON PLANT PROTECTION

**CLAYTON PIRIMICARB** Safety Data Sheet according to Regulation (EC) No. 1907/2006 and Regulation (EU) No. 453/2010. Version 1/dsc 31/01/2021. This version replaces all previous versions.

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**1.1 Product identifier.** Product name: **CLAYTON PIRIMICARB** **1.2 Relevant identified uses of the substance or mixture and uses advised against**

Use : INSECTICIDE

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

Clayton Plant Protection (UK) Ltd., Bracetown Business Park, Clonee, Dublin15. Ireland.

Tel: (00 353) 1 8210127 www.claytonpp.com Email: info@claytonpp.com

## SECTION 2. HAZARDS IDENTIFICATION


### 2.1 Classification of the substance or mixture

Classification according to Regulation (EU) 1272/2008 (CLP)

Acute toxicity (Oral)	Category 3	H301
Acute toxicity (Inhalation) (dusts mists)	Category 4	H332
Serious eye damage/eye irritation	Category 2	H319
Carcinogenicity	Category 2	H351
Acute aquatic toxicity	Category 1	H400
Hazardous to the aquatic environment - Chronic Hazard	Category 1	H410

### 2.2 Label elements

Labelling: Regulation (EC) No. 1272/2008(CLP)

Hazard Pictograms	
	
Signal Word	:Danger
Hazard Statements	:H301 Toxic if swallowed.
	:H319 Causes serious eye irritation
	:H332 Harmful if inhaled
	:H351 Suspected of causing cancer
	:H410 Very toxic to aquatic life with long lasting effects
Precautions Statements	:P102 Keep out of reach of children
	:P201 Obtain special instructions before use
	:P261 Avoid breathing dust/fume/gas/mist/vapour/spray
	:P270 Do not eat drink or smoke when using this product
	:P280 Wear eye protection/face protection
	:P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
	:P305/P351/P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	:P501 Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.
EU Specific Hazard Statements	:EUH401 To avoid risks to human health and the environment comply with the instructions for use.
	:EUH208 Contains Pirimicarb. May produce an allergic reaction.

### 2.3 Other Hazards: May for, flammable dust-air mixture at elevated temperature

## 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixture

Chemical Name	Weight%	CAS No	EC no.	Index No.	Classification according to Regulation (EC) No. 1272/2008 [CLP]	MFactor	REACH Registration Number

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Pirimicarb	47-53	23103-98-2	245-430-1	006-035-00-8	Acute Tox. 3 (H301) Acute Tox. 3 (H331) Skin Sens. 1 (H317) Carc. 2 (H351) Aquatic Acute 1 (H400) Aquatic Chronic 1(H410)	M=10 M=100	-
Magnesium Silicate	15-20	14807-96-6	238-877-9	-	--		-
Lignosulfonic acid, sodium salt	4-6	8061-51-6	617-124-1	-	Eye Irrit. 2 (H319)		
Sodium dioctyl sulphosuccinate	1-3	577-11-7	209-406-4	-	Skin Irrit. 2 (H315) Eye Dam. 1(H318)		01-2119491296-29
Quartz (SiO <sub>2</sub> )	<0.3	14808-60-7	238-878-4	-	-		-

Full text of H and EUH phrases see section 16.

## 4. FIRST-AID MEASURES

### 4.1. Description of first aid measures

General advice In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). First aider: Pay attention to self-protection.

Inhalation Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician. Skin Contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Call a physician immediately.

Ingestion Rinse mouth. Drink plenty of water. Call a physician or poison control centre immediately.

Self-protection of the first aider Use personal protective equipment as required.

### 4.2 Most Important symptoms and effects, both acute and delayed

Symptoms : None known. Acetylcholinesterase inhibiting pesticide.

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

Note to physicians : Treat symptomatically. Acetylcholine esterase inhibiting pesticide.

## 5. FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

Suitable Extinguishing Media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Unsuitable Extinguishing Media : No information available.

5.2. Special hazards arising from the substance or mixture. No specific hazard known.

5.3. Advice for firefighters. In the event of fire, wear self-contained breathing apparatus. In the event of fire and/or explosion do not breathe fumes.

## 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures Personal precautions Use only with adequate ventilation.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions Prevent further leakage or spillage if safe to do so.

6.3. Methods and material for containment and cleaning up Take up mechanically, placing in appropriate containers for disposal. Avoid generation of dust.

6.4. Reference to other sections Other Information See also section 8,13

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Advice on safe handling Avoid generation of dust. Use only with adequate ventilation.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities Keep container tightly closed in a dry and well-ventilated place.

7.3. Specific end use(s) Risk Management Methods (RMM) The information required is contained in this Material Safety Data Sheet.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION 8.1

#### Control parameters

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Magnesium Silicate 14807-96-6		STEL: 3 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>		TWA: 2 mg/m <sup>3</sup>	Skin
Quartz (SiO <sub>2</sub> ) 14808-60-7		STEL: 0.3 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>	Skin
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Magnesium Silicate 14807-96-6		TWA: 2 mg/m <sup>3</sup>	TWA: 0.25 mg/m <sup>3</sup>	TWA: 0.5 fiber/cm <sup>3</sup>	TWA: 0.3 fiber/cm <sup>3</sup>
Quartz (SiO <sub>2</sub> ) 14808-60-7		TWA: 0.025 mg/m <sup>3</sup>	TWA: 0.075 mg/m <sup>3</sup>	TWA: 0.05 mg/m <sup>3</sup>	TWA: 0.3 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup>
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Magnesium Silicate 14807-96-6	TWA: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	TWA: 4.0 mg/m <sup>3</sup> TWA: 1.0 mg/m <sup>3</sup>	TWA: 6 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup> STEL: 4 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 0.8 mg/m <sup>3</sup>
Quartz (SiO <sub>2</sub> ) 14808-60-7	TWA: 0.15mg/m <sup>3</sup> TWA: 4.0 mg/m <sup>3</sup>	TWA: 0.15 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> TWA: 0.3 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup> TWA: 1.0 mg/m <sup>3</sup>	TWA: 0.3 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup> STEL: 0.9 mg/m <sup>3</sup> STEL: 0.3 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>

#### 8.2. Exposure controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection Tight sealing safety goggles.

Hand Protection Suitable chemical resistant gloves (EN 374) also with prolonged, direct contact (recommendation: protection index 6, corresponding > 480 minutes Permeability time (permeation) according to EN 374): e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm).

Body Protection Use suitable protective clothing and equipment if required, such as safety goggles certified to EN 166, gloves certified to EN 374, protective boots certified to EN 13832, and/or a water repellent woven coverall with 65% polyester and 35 % cotton.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Environmental exposure controls No information available.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Property : Values : Method : Remarks

Appearance

Physical state : Solid; granules

Colour : green

Odour : No data available Odour threshold : No data available

pH : 7.7-9.35 CIPAC MT 75 solution (1 %)

Melting point/freezing point °C :

No data available

Boiling point/boiling range °C : No data available

Flash point °C : No data available

Evaporation rate : Not Applicable

Flammability (solid, gas) : Not flammable EEC A.10

Upper/lower flammability or explosive limits : No data available

Vapor pressure kPa : No data available

Vapor density : No data available

Relative density : No data available

Solubility(ies) mg/l : No data available

Partition Coefficient (n-octanol/water) Log Pow : See Section 12 for more information

Autoignition temperature °C : >140

Decomposition temperature °C : No data available

Kinematic viscosity mm<sup>2</sup>/s 40 °C : Not Applicable

Explosive properties : Not an explosive

Oxidizing properties : Not oxidizing

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### 9.2. Other information

Bulk density g/ml : 0.58 CIPAC MT 159  
Surface Tension mN/m : Not applicable

### 10: STABILITY AND REACTIVITY

- 10.1. Reactivity No data available.
- 10.2. Chemical stability Stable under normal conditions.
- 10.3. Possibility of hazardous reactions None under normal processing.
- 10.4. Conditions to avoid Heat, flames and sparks.
- 10.5. Incompatible materials No information available
- 10.6. Hazardous decomposition products None under normal use conditions.

### Section 11: TOXICOLOGY INFORMATION

#### 11.1. Information on toxicological effects

##### Acute toxicity

Values	Species	Method	Remarks
Oral LD50 mg/kg : 87	Rat	OECD 401	
Dermal LD50 mg/kg : >2000	Rat	OECD 402	
Inhalation LC50 mg/l/4h : 1.41	Rat	OECD 403	
Skin corrosion/irritation : Non-irritating to the skin	Rabbit	OECD 404	
Serious eye damage/eye irritation : Irritating to eyes	Rabbit	OECD 405	
Respiratory/skin sensitization : Not a skin sensitizer	Guinea pig	OECD 406	

Chronic toxicity

Germ cell mutagenicity Chemical Name Pirimicarb : Not classified

Carcinogenicity . Chemical Name Pirimicarb : H351 - Suspected of causing cancer

Reproductive toxicity . Chemical Name Pirimicarb : Not toxic for the reproductive system

STOT - single exposure Chemical Name Pirimicarb : No data available

STOT - repeated exposure Chemical Name Pirimicarb : No data available

Aspiration hazard Chemical Name Pirimicarb : No data available

### Section 12: ECOLOGICAL INFORMATION

#### 12.1. Toxicity

##### Aquatic toxicity

Acute toxicity	Values	Species	Method	Remarks
Fish 96-hour LC50 mg/l	: No data available			
Crustacea 48-hour EC50 mg/l	: No data available			
Algae 72-hour EC50 mg/l	: 140	Selenastrum capricornutum		
Other plants EC50 mg/l	: No data available			

Chronic aquatic toxicity Values Species Method Remarks

Fish NOEC mg/l : No data available

Crustacea NOEC mg/l : No data available

Algae NOEC mg/l : No data available

Other plants NOEC mg/l : No data available

##### Terrestrial Toxicity

Birds Oral LD50 mg/kg Chemical Name Pirimicarb : 20.9

Bees Oral LD50 µg/bee Chemical Name Pirimicarb : 4.0

#### 12.2. Persistence and degradability

##### Abiotic Degradation Values Method Remarks

Water DT50 days Chemical Name Pirimicarb : > 32 SETAC 25° C

Soil DT50 days Chemical Name Pirimicarb : 38.6 OECD 307 20 °C

##### Biodegradation

Chemical Name Pirimicarb : No data available

#### 12.3. Bioaccumulative potential

##### Partition Coefficient (n-octanol/water) Log Pow Values Method Remarks

Chemical Name Pirimicarb : 1.7 pH 7, 20 ° C

##### Bioconcentration factor (BCF)

Chemical Name Pirimicarb : ---- No data available

#### 12.4. Mobility in soil

##### Adsorption/Desorption Values Method

Pirimicarb : 163.8 - 6533 KOC

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

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The components in this formulation do not meet the criteria for classification as PBT or vPvB 12.6.  
Other adverse effects No information available.

### **Section 13: DISPOSAL CONSIDERATIONS**

13.1. Waste treatment methods Waste from residues/unused products Disposal should be in accordance with applicable regional, national and local laws and regulations. Contaminated packaging Improper disposal or reuse of this container may be dangerous and illegal. Other Information Waste codes should be assigned by the user based on the application for which the product was used.

### **Section 14: TRANSPORTATION INFORMATION**

#### **IMDG/IMO**

- 14.1 UN/ID No \* 2588
- 14.2 Proper shipping name PESTICIDE, SOLID, TOXIC, N.O.S. ( Pirimicarb )
- 14.3 Hazard Class 6.1
- 14.4 Packing Group III
- 14.5 Marine pollutant Yes
- 14.6 Special precautions for user

#### **RID/ADR**

- 14.1 UN/ID No \* 2588
- 14.2 Proper shipping name PESTICIDE, SOLID, TOXIC, N.O.S. ( Pirimicarb )
- 14.3 Hazard Class 6.1
- 14.4 Packing Group III
- 14.5 Environmental hazard Yes
- 14.6 Special precautions for user
- 14.7 Tunnel restriction code E

#### **ICAO/IATA**

- 14.1 UN/ID No \* 2588
  - 14.2 Proper shipping name PESTICIDE, SOLID, TOXIC, N.O.S. ( Pirimicarb )
  - 14.3 Hazard Class 6.1
  - 14.4 Packing Group III
  - 14.5 Environmental hazard Yes
  - 14.6 Special precautions for user
  - 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code. Not Applicable
- \* Note: UN3077 & UN3082 – These products may be transported as non-dangerous goods under the special provisions of IMDG Code 2.10.2.7; ADR SP375 and ICAO/IATA A197 when packed in single or inner packaging of up to 5L for liquids or 5kg or less for solids.

### **Section 15: REGULATORY INFORMATION**

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- 15.2. Chemical safety assessment A chemical safety assessment according to regulation (EC) No. 1907/2006 is not required. A risk assessment was performed according to directive (EC) No. 91/414 or according to regulation (EC) No. 1107/2009.

### **16: OTHER INFORMATION**

Full text of H-Statements referred to under sections 2 and 3 H301 - Toxic if swallowed H315 - Causes skin irritation H317 – May cause an allergic skin reaction H318 - Causes serious eye damage  
H319 - Causes serious eye irritation H331 - Toxic if inhaled H332 - Harmful if inhaled H351 - Suspected of causing cancer  
H400 - Very toxic to aquatic life H410 - Very toxic to aquatic life with long lasting effects

#### **List of Acronyms**

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road  
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
CAS Number - Chemical Abstracts Service number  
EC Number - EINECS and ELINCS Number  
EINECS – European Inventory of Existing Commercial Substances  
ELINCS - European List of notified Chemical Substances  
IATA - International Air Transport Association  
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air  
IMDG - International Maritime Dangerous Goods  
LC50 - Lethal Concentration to 50 % of a test population  
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)  
OECD - Organization for Economic Co-operation and Development  
PBT - Persistent, Bioaccumulative and Toxic substance  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
STOT - Specific Target Organ Toxicity  
vPvB - Very Persistent and Very Bioaccumulative  
This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 Revision  
Note Changes made to the last version are labelled with this sign \*\*\*. Process of

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classification evaluation in accordance with CLP regulation. Trade name Registration number Registration date Not Applicable Not Applicable Not Applicable Classification of the mixture H301 - Toxic if swallowed H319 - Causes serious eye irritation H332 - Harmful if inhaled H351 - Suspected of causing cancer H400 - Very toxic to aquatic life H410 - Very toxic to aquatic life with long lasting effects

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.