

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

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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]	M-Factor	REACH Registration Number
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 ₂)	<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 ³ TWA: 1 mg/m ³		TWA: 2 mg/m ³	Skin
Quartz (SiO ₂) 14808-60-7		STEL: 0.3 mg/m ³ TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³	Skin
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Magnesium Silicate 14807-96-6		TWA: 2 mg/m ³	TWA: 0.25 mg/m ³	TWA: 0.5 fiber/cm ³	TWA: 0.3 fiber/cm ³
Quartz (SiO ₂) 14808-60-7		TWA: 0.025 mg/m ³	TWA: 0.075 mg/m ³	TWA: 0.05 mg/m ³	TWA: 0.3 mg/m ³ TWA: 0.1 mg/m ³
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Magnesium Silicate 14807-96-6	TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 4.0 mg/m ³ TWA: 1.0 mg/m ³	TWA: 6 mg/m ³ TWA: 2 mg/m ³ STEL: 12 mg/m ³ STEL: 4 mg/m ³	TWA: 10 mg/m ³ TWA: 0.8 mg/m ³
Quartz (SiO ₂) 14808-60-7	TWA: 0.15mg/m ³ TWA: 4.0 mg/m ³	TWA: 0.15 mg/m ³	TWA: 2 mg/m ³ TWA: 0.3 mg/m ³ TWA: 4 mg/m ³ TWA: 1.0 mg/m ³	TWA: 0.3 mg/m ³ TWA: 0.1 mg/m ³ STEL: 0.9 mg/m ³ STEL: 0.3 mg/m ³	TWA: 0.1 mg/m ³

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 mm²/s 40 °C : Not Applicable

Explosive properties : Not an explosive

Oxidizing properties : Not oxidizing

9.2. Other information

Bulk density g/ml : 0.58 CIPAC MT 159

Surface Tension mN/m : Not applicable

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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

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.

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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 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.