

CLAYTON PLANT PROTECTION

CLAYTON ROOK Safety Data Sheet according to Regulation (EU) No. 453/2010. Version 1/dsc 5/06/2017

This version replaces all previous versions

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

1.1. Product identifier CLAYTON ROOK

1.2. Relevant identified uses of the substance or mixture and uses advised : Insecticide

1.3. Details of the supplier of the safety data sheet : Marketing Company in UK

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

Tel: (00 353) 1 8210127 www.cpp.ag Email: info@cpp.ag

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EU) 1272/2008

Carcinogenicity Category 2 H351

Chronic aquatic toxicity Category 1 H410

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 Label elements

Labelling: Regulation (EC) No. 1272/2008

Hazard pictograms



Signal Word : Warning

Hazard Statements :

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.

P281 Use personal protective equipment as required..

P308/P313 If exposed or concerned; get medical advice/attention.

P391 Collect spillage.

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.

Supplemental Information

EUH401 To avoid risks to human health and the environment comply with the instructions for use.

Hazardous components which must be listed on the label: • pymetrozine

2.3 Other hazards : None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures Hazardous components

Chemical Name	CASNo. EC-No.	Classification (67/548/EE	Classification (REGULATION (EC) No 1272/2008)	Concentration
pymetrozine	123312-89-0	Xn R40 R52/53	Carc.2; H351 Aquatic Chronic3; H412	50 % W/W
sodium dibutyl naphthalenesulphonate	25417-20-3 246-960-6	Xn R20/22 R36/38 R52/53	Acute Tox.4; H302 Acute Tox.4; H332 Skin Irrit.2; H315 Eye Irrit.2; H319 Aquatic Chronic3; H412	1 - 5 % W/W

Substances for which there are Community workplace exposure limits. For the full text of the H-Statements mentioned in this Section, see Section 16.

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General Advice : Have the product container, label or Material Safety Data Sheet with you when calling an emergency number, a poison control centre or physician, or going for treatment.

Inhalation : Move the victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a physician or Poison Control Centre immediately.

Skin Contact : Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.

Eye Contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.

Ingestion : If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed Symptoms : No information available.

4.3 Indication of any immediate medical attention and special treatment needed. Medical advice : There is no specific antidote available. Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media Extinguishing media - small fires Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Extinguishing media - large fires Use alcohol-resistant foam or water spray. Do not use a solid water stream as it may scatter and spread fire.

5.2 Special hazards arising from the substance or mixture As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health.

5.3 Advice for fire-fighters: Wear full protective clothing and self-contained breathing apparatus. Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures Refer to protective measures listed in sections 7 and 8. Avoid dust formation.

6.2 Environmental precautions: Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13). Do not create a powder cloud by using a brush or compressed air. Clean contaminated surface thoroughly. If the product contaminates rivers and lakes or drains inform respective authorities.

6.4 Reference to other sections Refer to protective measures listed in sections 7 and 8. Refer to disposal considerations listed in section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling. No special protective measures against fire are required. Avoid contact with skin and eyes. When using, do not eat, drink or smoke. For personal protection see section 8.

7.2 Conditions for safe storage, including any incompatibilities. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feeding-stuffs.

7.3 Specific end use(s) Registered Crop Protection products: For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components	Exposure limit(s)	Type of exposure limit	Source
pymetrozine	0.8 mg/m ³	8 h TWA	SYNGENTA

The following recommendations for exposure controls/personal protection are intended for the manufacture, formulation and packaging of the product.

8.2 Exposure controls

Engineering Measures : Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. If airborne dust is generated, use local exhaust ventilation controls. Assess exposure and use any additional measures to keep airborne levels below any relevant exposure limit. Where necessary, seek additional occupational hygiene advice.

Protective measures : The use of technical measures should always have priority over the use of personal protective equipment. When selecting personal protective equipment, seek appropriate professional advice. Personal protective equipment should be certified to appropriate standards.

Respiratory protection : A particulate filter respirator may be necessary until effective technical measures are installed. Protection provided by air-purifying respirators is limited. Use a self-contained breathing apparatus in cases of emergency spills, when exposure levels are unknown, or under any circumstances where air-purifying respirators may not provide adequate protection.

Hand protection : Suitable material: nitrile rubber. Break through time: > 480 min Glove thickness: 0.5 mm Chemical resistant gloves should be used. Gloves should be certified to an appropriate standard. Gloves should have a minimum breakthrough time that is appropriate to the duration of exposure. The breakthrough time of gloves varies according to the thickness, material and manufacturer. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State : Solid Form : Granules Colour : beige to brown Odour : Weak Odour Threshold : No data available pH : 7-11 at 1 % w/v Melting point/range : No data available Boiling point/boiling range : No data available Flash point : No data available Evaporation rate : No data available Flammability (solid, gas) : Not highly flammable Lower explosion limit : No data available	Upper explosion limit : No data available Vapour pressure : No data available Relative vapour density : No data available Density : No data available Solubility in other solvents : Not soluble Partition Coefficient: n-octanol/water : No data available Autoignition temperature : No data available Thermal decomposition : No data available Viscosity, dynamic : No data available Viscosity, kinematic : No data available Explosive properties : Not explosive Oxidizing properties : Not oxidising
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9.2 Physical state : No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity : See Section 10.3 "Possibility of hazardous reactions"

10.2 Chemical Stability : The product is stable when used in normal conditions

10.3 Possibility of hazardous reactions : No hazardous reactions by normal handling and storage according to provisions.

10.4 Conditions to avoid : No decomposition if used as directed.

10.5 Incompatible materials : No substances are known which lead to the formation of hazardous substances or thermal reactions.

10.6 Hazardous decomposition products : Combustion or thermal decomposition will evolve toxic and irritant vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity : LD50 male and female rat, > 5,000 mg/kg

Acute inhalational toxicity : LC 50 male and female rat, > 3.09 mg/l, 4h

Acute dermal toxicity : LD50 male and female rat, > 2,000 mg/kg

Skin corrosion/irritation : Rabbit: slightly irritating

Serious eye damage/eye irritation : Rabbit: slightly irritating

Respiratory or skin sensitisation : Maximisation Test (GPMT) Guinea pig: not sensitising

Buehler Test guinea pig: not sensitising.

Germ cell mutagenicity Pymetrozine : Did not show mutagenic or teratogenic effects in animal experiments.

Carcinogenicity Pymetrozine : Increased levels of liver tumours observed at high doses in rats and mice. The relevance of these findings to humans is questionable.

Teratogenicity Pymetrozine : No information available

Reproductive toxicity Pymetrozine : Did not show reproductive toxicity effects in animal experiments.

STOT – repeated exposure Pymetrozine : This information is not available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish : LC50 Oncorhynchus mykiss (rainbow trout), > 100 mg/l, 96h

Toxicity to aquatic invertebrates : EC50 Daphnia magna (water flea), > 100 mg/l, 48h.

Toxicity to aquatic plants : ErC50 Pseudokirchneriella subcapitata (green algae), > 100 mg/l, 72h.

12.2 Persistence and degradability

Biodegradability pymetrozine : Not readily biodegradable.

Stability in water pymetrozine : Degradation half-life: 4.8 – 6.3 d. Not persistent in water

Stability in soil pymetrozine : Degradation half-life: 7.9 - 30 d. Not persistent in soil

12.3 Bioaccumulative potential pymetrozine : Low potential for bioaccumulation.

12.4 Mobility in soil pymetrozine : Slight mobility in soil.

12.5 Results of PBT and vPvB assessment. pymetrozine : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other adverse effects. Other information : Chronic aquatic toxicity Classification of the product is based on the summation of the concentrations of classified components.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product : Do not contaminate ponds, waterways or ditches with chemical or used container. Do not dispose of waste into sewer. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging : Empty remaining contents. Triple rinse containers. Empty containers should be taken for local recycling or waste disposal. Do not re-use empty containers.

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SECTION 14: TRANSPORT INFORMATION

Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (IATA-DGR)
14.1 UN Number : UN 3077 14.2 UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PYMETROZINE) 14.3 Transport hazard class(es) : 9 14.4 Packing Group ; III Labels : 9 14.5 Environmental hazards : Environmentally hazardous Tunnel restriction code : E	14.1 UN Number : UN 3077 14.2 UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PYMETROZINE) 14.3 Transport hazard class(es) : 9 14.4 Packing Group ; III Labels : 9 14.5 Environmental hazards : Marine pollutant	14.1 UN Number : UN 3077 14.2 UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PYMETROZINE) 14.3 Transport hazard class(es) : 9 14.4 Packing Group ; III Labels : 9 14.6 Special precautions for user : none

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture GHS-Labeling

Hazard pictograms

Signal Word : Warning



Hazard Statements :

- 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.
- P281 Use personal protective equipment as required..
- P308/P313 If exposed or concerned; get medical advice/attention.
- P391 Collect spillage.
- 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.

Supplemental Information :

- EUH401 To avoid risks to human health and the environment comply with the instructions for use.

Hazardous components which must be listed on the label : pymetrozine

15.2 Chemical Safety Assessment : A Chemical Safety Assessment is not required for this substance.

SECTION 16: OTHER INFORMATION

Use plant protection products safely. Always read the label and product information before use.

Full text of H-Statements referred to under sections 2 and 3.

H302 Harmful if swallowed H315 Causes skin irritation H319 Causes serious eye irritation H332 Harmful if inhaled	H351 Suspected of causing cancer H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects
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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.