

CLAYTON PLANT PROTECTION

CLAYTON EL NINO Safety Data Sheet according to Regulation (EC) No. 1272/2008 and 1999/45/EC or 67/548/EEC.

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING 1.1 Product identifier

Product name : CLAYTON EL NINO 1.2 **Relevant identified uses of the substance or mixture and uses advised against**

Use : Herbicide

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

Acute aquatic toxicity - Category 1 - H400 Chronic aquatic toxicity Category 1 H410

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

Classification according to EU Directives 67/548/EEC or 1999/45/EC

N, Dangerous for the environment

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2 Label elements

Labelling: Regulation (EC) No. 1272/2008

Hazard Pictograms:



Signal Word: Warning

Hazard Statements:

H410

Precautionary

Statements

P102 Very toxic to aquatic life with long lasting effects
Keep out of reach of children

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.

EUH208 Contains 1,2-Benzisothiazolin-3-one. May produce an allergic reaction.

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

Additional phrases for PPP

SP1 Do not contaminate water with product or its container

Hazardous components which must be listed on the label:

Diflufenican

1,2-Benzisothiazolin-3-one

2.3 Other hazards

None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS 3.2 Mixtures

Hazardous components

Component	CAS No.	Classification (677/548/EEC)	Classification (EC/1272/2008)	Concentration
Diflufenican	83164-33-4	R52/53	Aquatic Chronic 3 (H412)	40-44% w/w

For the full text of the R-Phrases, see section 16

For the full text of the H statements, see section 16

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 soap and 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. Rinse mouth.

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

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

None known.

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.

6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). 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 required. Avoid contact with skin and eyes. When using do not eat, drink or smoke. For personal protection see section 8. Use only with adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities

No special storage conditions required. Keep containers tightly closed in a dry, cool and wellventilated 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

Derived no effect level (DNEL): No information available

Predicted no effect concentration (PNEC): No information available.

8.2 Exposure controls

Engineering measures : Ensure adequate ventilation especially in confined areas.

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 combination gas, vapour and particulate 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 when air-purifying respirators may not provide adequate protection.

Hand protection 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 thickness, material and manufacturer. Gloves should be changed when breakthrough is suspected. Suitable material: nitrile rubber.

Eye protection If eye contact is possible, use tight-fitting chemical safety goggles and a faceshield.

Skin and body protection Assess the exposure and select chemical resistant clothing based on the potential for contact and the permeation/penetration characteristics of the clothing material. Wash with soap and water after removing protective clothing. Decontaminate clothing before re-use, or use disposable equipment (suits, aprons, sleeves, boots etc.). Wear as appropriate: impervious protective suit.

General hygiene considerations When using do not eat drink or smoke. Wash contaminated clothing before re-use.

Environmental exposure controls: Local authorities should be advised if significant spillages cannot be contained. Do not allow into any sewer on the ground or into any body of water. Prevent product from entering drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES 9.1 Information on basic

physical and chemical properties Physical State : Liquid

Colour : White to light grey/beige

Odour : Mildly acidic

Odour Threshold : No data available

pH : 6.5 - 9.5

Melting point/range : N/A **Boiling point/boiling range** : No data available **Flash point** : > 100 °C EEC A9 **Density** : 1.19 g/ml **Solubility in other solvents** : No data available

Explosive properties : Not explosive **Oxidizing properties** : Not oxidising

9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity : No information available

10.2 Chemical Stability : Stable under normal conditions

10.3 Possibility of hazardous reactions: None known under normal conditions.

10.4 Conditions to avoid : Heat flames and sparks.

10.5 Incompatible materials : No information available

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

SECTION 11: TOXICOLOGICAL INFORMATION 11.1 Information on toxicological effects

Acute oral toxicity : LD50 rat, >2000 mg/kg

Acute inhalational toxicity : LC50 rat, > 1.43 mg/l maximum attainable concentration

Acute dermal toxicity : LD50 rat, >2000 mg/kg **Skin corrosion/irritation** : Rabbit: non irritating **Serious eye damage/eye irritation** : Rabbit: not irritating to eyes

Respiratory or skin sensitisation : Guinea pig: not a skin sensitiser in animal tests

Germ cell mutagenicity : Not classified **Carcinogenicity** : Not carcinogenic

Reproductive toxicity : Not toxic for the reproductive system

STOT - single exposure: No data available **STOT – repeated exposure** : No data available

Aspiration hazard: No data available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic

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

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

Toxicity to algae : EC50 S.Capricornutum 0.00174mg/l, 72 h

Other plants: No data available

Terrestrial

Birds: LD50 Bobwhite Quail > 2150 mg/L

Bees: LD50 oral bee >100 ug/bee

12.2 Persistence and degradability

Stability in water : (Diflufenican) Degradation half life: 1-5 days. Stability in soil : (Diflufenican) Degradation half life: 128 days.

12.3 Bioaccumulative potential

Partition Coefficient (n-octanol/water) Log Pow (Diflufenican): 4.2
Bioconcentration factor (Diflufenican): 1276-1596

12.4 Mobility in soil

Adsorption/desorption (Diflufenican): 3417

12.5 Results of PBT and vPvB assessment

The components of this formulation do not meet the criteria for classification as PBT or vPvB

12.6 Other adverse effects : None known

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.

SECTION 14: TRANSPORT INFORMATION

Land transport (ADR/RID)

14.1 UN Number : UN 3082 **14.2 UN proper shipping name :**
ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S. (DIFLUFENICAN)
14.3 Transport hazard class(es) : 9 **14.4 Packing Group ;** III
Labels : 9
14.5 Environmental hazards : Environmentally hazardous

Sea transport(IMDG)

14.1 UN Number : UN 3082 **14.2 UN proper shipping name :**
ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S. (DIFLUFENICAN)

14.3 Transport hazard class(es) : 9

14.4 Packing Group ; III

Labels : 9

14.5 Environmental hazards : Marine Pollutant

Air transport (IATA-DGR)

14.1 UN Number : UN 3082 14.2 UN proper shipping name :
ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S. (DIFLUFENICAN)

14.3 Transport hazard class(es) : 9 14.4 Packing Group ; III

Labels : 9

**14.6 Special precautions for user: none 14.6 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:
H410

Precautionary

Statements

P102	Very toxic to aquatic life with long lasting effects Keep out of reach of children
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.
EUH208	Contains 1,2-Benzisothiazolin-3-one. May produce an allergic reaction.

	EUH401	To avoid risks to human health and the environment, comply with the instructions for use.
Additional phrases for PPP	SP1	Do not contaminate water with product or its container

15.2 Chemical Safety Assessment: A chemical safety assessment is not required for this substance

SECTION 16: OTHER INFORMATION

Further information :

Product Name: Clayton El Nino

Approval number: MAPP 17337.

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

Full text of R-phrases referred to under sections 2 and 3:

R50/53 Very toxic to aquatic organisms; may cause long term adverse effects in the aquatic environment

R52/53 Harmful to aquatic organisms; may cause long term adverse effects in the aquatic environment.

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

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

H412 Harmful 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.

