

# **CLAYTON PLANT PROTECTION**

**CLAYTON LAUNCH** Safety Data Sheet according to Regulation (EC) No. 1907/2006 and Regulation (EU) No. 453/2010. Version 1/dsc 24/June/2015. This version replaces all previous versions.

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

1.1. Product identifier **CLAYTON LAUNCH**

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

Relevant identified uses: crop protection product : Herbicide

1.3. Details of the supplier of the safety data sheet

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**

According to Regulation (EC) No 1272/2008 [CLP]

Asp. Tox. 1

Acute Tox. 4 (oral)

Skin Corr./Irrit. 2

Skin Sens. 1

Aquatic Acute 1

Aquatic Chronic 1

According to Directive 67/548/EEC or 1999/45/EC

Possible Hazards:

Harmful if swallowed.

Irritating to skin.

May cause sensitization by skin contact.

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

Harmful: may cause lung damage if swallowed.

For the classifications not written out in full in this section the full text can be found in section 16.

### **2.2. Label elements**

Globally Harmonized System (GHS) in accordance with UK regulations.

Pictogram:



Signal Word: Danger

Hazard Statement:

H315 Causes skin irritation.

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H304 May be fatal if swallowed and enters airways.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

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

Precautionary Statements (Prevention):

P261d Avoid breathing vapours.

P264 Wash with plenty of water and soap thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280c Wear protective gloves.

Precautionary Statements (Response):

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P330 Rinse mouth.

P331 Do NOT induce vomiting.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P361 Remove/Take off immediately all contaminated clothing.

P391 Collect spillage.

Precautionary Statements (Storage):

P405 Store locked up.

Precautionary Statements (Disposal):

P501.1 Dispose of contents/container in accordance with local regulations.

According to Regulation (EC) No 1272/2008 [CLP]

Hazard determining component(s) for labelling: pendimethalin, Dimethenamid-P, solvent naphtha

According to Directive 67/548/EEC or 1999/45/EC

Classification/labelling in accordance with UK regulations.

Hazard symbol(s)

N Dangerous for the environment.

Xn Harmful.

R-phrase(s)

R22 Harmful if swallowed.

## **CLAYTON PLANT PROTECTION**

**CLAYTON LAUNCH** Safety Data Sheet according to Regulation (EC) No. 1907/2006 and Regulation (EU) No. 453/2010. Version 1/dsc 24/June/2015. This version replaces all previous versions.

R38 Irritating to skin.

R43 May cause sensitization by skin contact.

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

R65 Harmful: may cause lung damage if swallowed.

S-phrase(s)

S2 Keep out of the reach of children.

S13 Keep away from food, drink and animal feeding stuffs.

S20/21 When using do not eat, drink or smoke.

S24 Avoid contact with skin.

S35 This material and its container must be disposed of in a safe way.

S37 Wear suitable gloves.

S46 If swallowed, seek medical advice immediately and show this container or label.

S57 Use appropriate container to avoid environmental contamination.

Hazard determining component(s) for labelling: pendimethalin, Dimethenamid-P, solvent naphtha

### **2.3. Other hazards**

According to Regulation (EC) No 1272/2008 [CLP]

See section 12 - Results of PBT and vPvB assessment.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

## **SECTION 3: Composition/Information on Ingredients**

**3.1. Substances** : Not applicable

### **3.2. Mixtures**

Chemical nature : crop protection product, herbicide, Emulsifiable concentrate (EC)

Hazardous ingredients (GHS) according to Regulation (EC) No. 1272/2008

pendimethalin (ISO); N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine

Content (W/W): 23.1 %

CAS Number: 40487-42-1

EC-Number: 254-938-2

INDEX-Number: 609-042-00-X

Skin Sens. 1

Aquatic Acute 1

Aquatic Chronic 1

H317, H400, H410

Acetamide, 2-chloro-N-(2,4-dimethyl-3-thienyl)-N-[(1S)-2-methoxy-1-methylethyl]-

Content (W/W): 19.7 %

CAS Number: 163515-14-8

Acute Tox. 4 (oral)

Skin Sens. 1B

Aquatic Acute 1

Aquatic Chronic 1

M-factor acute: 1

H302, H317, H400, H410

solvent naphtha

Content (W/W): < 60 %

CAS Number: 64742-94-5

REACH registration number: 01-

2119451097-39

Asp. Tox. 1

Aquatic Chronic 2

H411, H304, EUH066

Polyarylphenol ethoxylate

Content (W/W): < 10 %

CAS Number: 99734-09-5

Aquatic Chronic 3

Aquatic Acute 3

H402, H412

2-Ethylhexan-1-ol

Content (W/W): < 5 %

CAS Number: 104-76-7

EC-Number: 203-234-3

REACH registration number: 01-

2119487289-20

Acute Tox. 4 (Inhalation - mist)

Skin Corr./Irrit. 2

Eye Dam./Irrit. 2

STOT SE 3 (irr. to respiratory syst.)

H319, H315, H332, H335

## **CLAYTON PLANT PROTECTION**

**CLAYTON LAUNCH** Safety Data Sheet according to Regulation (EC) No. 1907/2006 and Regulation (EU) No. 453/2010. Version 1/dsc 24/June/2015. This version replaces all previous versions.

naphthalene

Content (W/W): < 1 %  
CAS Number: 91-20-3  
EC-Number: 202-049-5  
INDEX-Number: 601-052-00-2  
Acute Tox. 4 (oral)  
Carc. 2  
Aquatic Acute 1  
Aquatic Chronic 1  
M-factor acute: 1  
M-factor chronic: 1  
H302, H351, H400, H410

Hazardous ingredients according to Directive 1999/45/EC

pendimethalin (ISO); N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine

Content (W/W): 23.1 %  
CAS Number: 40487-42-1  
EC-Number: 254-938-2  
INDEX-Number: 609-042-00-X  
Hazard symbol(s): Xi, N  
R-phrase(s): 43, 50/53

Acetamide, 2-chloro-N-(2,4-dimethyl-3-thienyl)-N-[(1S)-2-methoxy-1-methylethyl]-

Content (W/W): 19.7 %  
CAS Number: 163515-14-8  
Hazard symbol(s): Xn, N  
R-phrase(s): 22, 43, 50/53

solvent naphtha

Content (W/W): < 60 %  
CAS Number: 64742-94-5  
REACH registration number: 01-2119451097-39  
Hazard symbol(s): Xn, N  
R-phrase(s): 65, 66, 51/53

Polyarylphenol ethoxylate

Content (W/W): < 10 %  
CAS Number: 99734-09-5  
R-phrase(s): 52/53

2-Ethylhexan-1-ol

Content (W/W): < 5 %  
CAS Number: 104-76-7  
EC-Number: 203-234-3  
REACH registration number: 01-2119487289-20  
Hazard symbol(s): Xn  
R-phrase(s): 20, 36/37/38

naphthalene

Content (W/W): < 1 %  
CAS Number: 91-20-3  
EC-Number: 202-049-5  
INDEX-Number: 601-052-00-2  
Hazard symbol(s): Xn, N  
R-phrase(s): 22, 40, 50/53  
Carc. Cat. 3

For the classifications not written out in full in this section, including the indication of danger, the hazard symbols, the R phrases, and the hazard statements, the full text is listed in section 16.

### **SECTION 4: First-Aid Measures**

#### **4.1. Description of first aid measures**

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing. Show container, label and/or safety data sheet to physician.

If inhaled: Keep patient calm, remove to fresh air, seek medical attention.

On skin contact: Immediately wash thoroughly with soap and water, seek medical attention.

On contact with eyes: Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion: Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention. Do not induce vomiting due to aspiration hazard.

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

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

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



## **CLAYTON PLANT PROTECTION**

**CLAYTON LAUNCH** Safety Data Sheet according to Regulation (EC) No. 1907/2006 and Regulation (EU) No. 453/2010. Version 1/dsc 24/June/2015. This version replaces all previous versions.

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

### **SECTION 5: Fire-Fighting Measures**

**5.1. Extinguishing media.** Suitable extinguishing media: water spray, foam, dry powder, carbon dioxide

**5.2. Special hazards arising from the substance or mixture.** carbon monoxide, Carbon dioxide, hydrogen chloride, nitrogen oxides, sulfur oxides, organochloric compounds

The substances/groups of substances mentioned can be released in case of fire.

#### **5.3. Advice for fire-fighters**

Special protective equipment: Wear self-contained breathing apparatus and chemical-protective clothing.

Further information: Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire.

### **SECTION 6: Accidental Release Measures**

**6.1. Personal precautions, protective equipment and emergency procedures.** Do not breathe vapour/spray. Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

**6.2. Environmental precautions.** Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater. Do not allow contamination of public drains or surface or ground waters. Inform local water plc if spillage enters drains and the Environment Agency (England & Wales), the Scottish Environmental Protection Agency (Scotland), or the Environment and Heritage Service (Northern Ireland) if it enters surface or ground waters. Keep people and animals away.

**6.3. Methods and material for containment and cleaning up.** For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). For large amounts: Dike spillage. Pump off product. Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

**6.4. Reference to other sections.** Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

### **SECTION 7: Handling and Storage**

**7.1. Precautions for safe handling.** No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

Protection against fire and explosion: Vapours may form ignitable mixture with air. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

**7.2. Conditions for safe storage, including any incompatibilities.** Segregate from foods and animal feeds.

Further information on storage conditions: Keep away from heat. Protect from direct sunlight.

**7.3. Specific end use(s)** For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

### **SECTION 8: Exposure Controls/Personal Protection**

#### **8.1. Control parameters**

Components with occupational exposure limits

91-20-3: naphthalene. TWA value 50 mg/m<sup>3</sup> ; 10 ppm (OEL (EU)) indicative. Refer to the current edition of HSE Guidance Note EH40 Occupational Exposure Limits (United Kingdom). For normal use and handling refer to the product label/leaflet. In all other cases the following apply.

#### **8.2. Exposure controls**

Personal protective equipment.

Respiratory protection: Suitable respiratory protection for higher concentrations or long-term effect: Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK).

Hand protection: Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other

Eye protection: Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection: Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures. The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Wearing of closed work clothing is recommended. Keep away from food, drink and animal feeding stuffs. Store work clothing separately.

### **SECTION 9: Physical and Chemical Properties**

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

Form: liquid

Colour: red-brown

Odour: aromatic

Odour threshold: Not determined due to potential health hazard by inhalation.

pH value: approx. 6 – 7 (1 % (m), 20 °C)



## **CLAYTON PLANT PROTECTION**

**CLAYTON LAUNCH** Safety Data Sheet according to Regulation (EC) No. 1907/2006 and Regulation (EU) No. 453/2010. Version 1/dsc 24/June/2015. This version replaces all previous versions.

Freezing point: < 0 °C

Boiling range: 244 - 292 °C. Information applies to the solvent.

Flash point: 113 °C (Directive 92/69/EEC, A.9)

Evaporation rate: not applicable

Flammability: not highly flammable (Directive 84/449/EEC, A.12)

Lower explosion limit: As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.

Upper explosion limit: As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.

Ignition temperature: 365 °C (Directive 92/69/EEC, A.15)

Vapour pressure: approx. 0.025 kPa (38 °C) Information applies to the solvent.

Density: approx. 1.08 g/cm<sup>3</sup> (20 °C)

Relative vapour density (air): not determined

Solubility in water: emulsifiable

*Information on: (S)-dimethenamid*

*Partitioning coefficient n-octanol/water (log Kow): 1.89 (25 °C)*

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Viscosity, dynamic: 28 mPa.s (20 °C, 100 1/s)

Viscosity, kinematic: 12 mm<sup>2</sup>/s (40 °C)

Explosion hazard: not explosive

Fire promoting properties: not fire-propagating

### **9.2. Other information**

Other Information: If necessary, information on other physical and chemical parameters is indicated in this section.

## **SECTION 10: Stability and Reactivity**

**10.1. Reactivity** No hazardous reactions if stored and handled as prescribed/indicated.

**10.2. Chemical stability** The product is stable if stored and handled as prescribed/indicated.

**10.3. Possibility of hazardous reactions** No hazardous reactions if stored and handled as prescribed/indicated.

**10.4. Conditions to avoid** See MSDS section 7 - Handling and storage.

**10.5. Incompatible materials** Substances to avoid: strong acids, strong bases, strong oxidizing agents

**10.6. Hazardous decomposition products** No hazardous decomposition products if stored and handled as prescribed/indicated.

## **SECTION 11: Toxicological Information**

### **11.1. Information on toxicological effects**

Acute toxicity

Assessment of acute toxicity:

Of moderate toxicity after single ingestion. Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation.

Experimental/calculated data:

LD50 rat (oral): > 500 - < 2,000 mg/kg (OECD Guideline 423)

LC50 rat (by inhalation): > 5.4 mg/l 4 h (OECD Guideline 403)

LD50 rat (dermal): > 5,000 mg/kg (OECD Guideline 402)

Irritation

Assessment of irritating effects: Skin contact causes irritation. Not irritating to the eyes.

Experimental/calculated data: Skin corrosion/irritation rabbit: Irritant. (OECD Guideline 404)

Serious eye damage/irritation rabbit: non-irritant (OECD Guideline 405)

Respiratory/Skin sensitization

Assessment of sensitization: Sensitization after skin contact possible.

Experimental/calculated data: modified Buehler test guinea pig: Caused skin sensitization in animal studies. (OECD Guideline 406)

Germ cell mutagenicity

Assessment of mutagenicity: The product has not been tested. The statement has been derived from the properties of the individual components. Mutagenicity tests revealed no genotoxic potential.

Carcinogenicity

Assessment of carcinogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. *Information on: pendimethalin (ISO); N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine*

*Assessment of carcinogenicity: In long-term studies in rats the substance induced thyroid tumors. The effect is caused by an animal specific mechanism that has no human counter part. In long-term studies in mice in which the substance was given by feed, a carcinogenic effect was not observed.*

Reproductive toxicity

Assessment of reproduction toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components. The results of animal studies gave no indication of a fertility impairing effect.

Developmental toxicity

Assessment of teratogenicity:

## **CLAYTON PLANT PROTECTION**

**CLAYTON LAUNCH** Safety Data Sheet according to Regulation (EC) No. 1907/2006 and Regulation (EU) No. 453/2010. Version 1/dsc 24/June/2015. This version replaces all previous versions.

The product has not been tested. The statement has been derived from the properties of the individual components. Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity: The product has not been tested. The statement has been derived from the properties of the individual components. *Information on: pendimethalin (ISO); N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine*

*Assessment of repeated dose toxicity: No substance-specific organotoxicity was observed after repeated administration to animals. Adaptive effects were observed after repeated exposure in animal studies.*

*Information on: Acetamide, 2-chloro-N-(2,4-dimethyl-3-thienyl)-N-[(1S)-2-methoxy-1-methylethyl]-*

*Assessment of repeated dose toxicity: Adaptive effects were observed after repeated exposure in animal studies.*

Aspiration hazard. May also damage the lung at swallowing (aspiration hazard).

Other relevant toxicity information. Misuse can be harmful to health.

### **SECTION 12: Ecological Information**

#### **12.1. Toxicity**

Assessment of aquatic toxicity: Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Toxicity to fish: LC50 (96 h) 1.06 mg/l, *Oncorhynchus mykiss* (OECD Guideline 203, static)

Aquatic invertebrates: EC50 (48 h) 1.77 mg/l, *Daphnia magna* (OECD Guideline 202, part 1)

Aquatic plants: EC50 (72 h) 0.46 mg/l (growth rate), *Pseudokirchneriella subcapitata* (OECD Guideline 201)

EC50 (7 d) 0.045 mg/l (growth rate), *Lemna gibba*

#### **12.2. Persistence and degradability**

Assessment biodegradation and elimination (H2O): The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: pendimethalin (ISO); N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine*

*Assessment biodegradation and elimination (H2O): Not readily biodegradable (by OECD criteria).*

*Information on: Acetamide, 2-chloro-N-(2,4-dimethyl-3-thienyl)-N-[(1S)-2-methoxy-1-methylethyl]-*

*Assessment biodegradation and elimination (H2O): Not readily biodegradable (by OECD criteria).*

#### **12.3. Bioaccumulative potential**

Assessment bioaccumulation potential: The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: pendimethalin (ISO); N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine. Assessment bioaccumulation potential:*

*Based on a weight of evidence, the compound will not bioaccumulate. Information on: Acetamide, 2-chloro-N-(2,4-dimethyl-3-thienyl)-N-[(1S)-2-methoxy-1-methylethyl]- Assessment bioaccumulation potential: Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected.*

*Information on: pendimethalin (ISO); N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine Bioaccumulation potential:*

*Bioconcentration factor: 5,100 Based on a weight of evidence, the compound will not bioaccumulate.*

**12.4. Mobility in soil.** Assessment transport between environmental compartments: The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: pendimethalin (ISO); N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine*

*Assessment transport between environmental compartments: The substance will slowly evaporate into the atmosphere from the water surface. Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.*

*Information on: Acetamide, 2-chloro-N-(2,4-dimethyl-3-thienyl)-N-[(1S)-2-methoxy-1-methylethyl]-*

*Assessment transport between environmental compartments: Following exposure to soil, the product trickles away and can - dependant on degradation - be transported to deeper soil areas with larger water loads.*

**12.5. Results of PBT and vPvB assessment.** The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

**12.6. Other adverse effects.** The product does not contain substances that are listed in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

**12.7. Additional information** Other ecotoxicological advice: Do not discharge product into the environment without control.

### **SECTION 13: Disposal Considerations**

#### **13.1. Waste treatment methods**

Must be sent to a suitable incineration plant, observing local regulations. The UK Environmental Protection (Duty of Care) Regulations (EP) and amendments should be noted (United Kingdom). This product and any uncleaned containers must be disposed of as hazardous waste in accordance with the 2005 Hazardous Waste Regulations and amendments (United Kingdom)

Contaminated packaging: Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

### **SECTION 14: Transport Information**

#### **Land transport**

##### **ADR**



## **CLAYTON PLANT PROTECTION**

**CLAYTON LAUNCH** Safety Data Sheet according to Regulation (EC) No. 1907/2006 and Regulation (EU) No. 453/2010. Version 1/dsc 24/June/2015. This version replaces all previous versions.

UN number UN3082. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains PENDIMETHALIN, DIMETHENAMID-P) Transport hazard class(es): 9, EHSM. Packing group: III. Environmental hazards: yes. Special precautions for user: Tunnel code: E

### **RID**

UN number UN3082 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains PENDIMETHALIN, DIMETHENAMID-P) Transport hazard class(es): 9, EHSM Packing group: III Environmental hazards: yes Special precautions for user: None known

### **Inland waterway transport**

#### **ADN**

UN number UN3082 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains PENDIMETHALIN, DIMETHENAMID-P) Transport hazard class(es): 9, EHSM Packing group: III Environmental hazards: yes Special precautions for user: None known

Transport in inland waterway vessel: Not evaluated

### **Sea transport**

#### **IMDG**

UN number: UN 3082 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains PENDIMETHALIN, DIMETHENAMID-P) Transport hazard class(es): 9, EHSM Packing group: III Environmental hazards: yes Marine pollutant: YES Special precautions for user: None known

### **Air transport**

#### **IATA/ICAO**

UN number: UN 3082 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains PENDIMETHALIN, DIMETHENAMID-P) Transport hazard class(es): 9, EHSM Packing group: III Environmental hazards: yes Special precautions for user: None known

**14.1. UN number.** See corresponding entries for "UN number" for the respective regulations in the tables above.

**14.2. UN proper shipping name** See corresponding entries for "UN proper shipping name" for the respective regulations in the tables above.

**14.3. Transport hazard class(es)** See corresponding entries for "Transport hazard class(es)" for the respective regulations in the tables above.

**14.4. Packing group** See corresponding entries for "Packing group" for the respective regulations in the tables above.

**14.5. Environmental hazards** See corresponding entries for "Environmental hazards" for the respective regulations in the tables above.

**14.6. Special precautions for user** See corresponding entries for "Special precautions for user" for the respective regulations in the tables above.

#### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Regulation: Not evaluated Shipment approved: Not evaluated Pollution name: Not evaluated Pollution category: Not evaluated Ship Type: Not evaluated

**Further information.** This product is subject to the most recent edition of "The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations" and their amendments (United Kingdom).

## **SECTION 15: Regulatory Information**

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

For the user of this plant-protective product applies: 'To avoid risks to man and the environment, comply with the instructions for use.' (Directive 1999/45/EC, Article 10, No. 1.2) The data should be considered when making any assessment under the Control of Substances Hazardous to Health Regulations (COSHH), and related guidance, for example, 'COSHH Essentials' (United Kingdom). This product is classified under the Chemicals (Hazard Information and Packaging) Regulations, (CHIP) (United Kingdom). This product may be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments if specific threshold tonnages are exceeded (United Kingdom).

**15.2. Chemical Safety Assessment.** Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

## **SECTION 16: Other Information**

For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

Full text of the classifications, including the indication of danger, the hazard symbols, the R phrases, and the hazard statements, if mentioned in section 2 or 3:

Xi Irritant.

N Dangerous for the environment.

Xn Harmful.

43 May cause sensitization by skin contact.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

22 Harmful if swallowed.

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

20 Harmful by inhalation.



## **CLAYTON PLANT PROTECTION**

**CLAYTON LAUNCH** Safety Data Sheet according to Regulation (EC) No. 1907/2006 and Regulation (EU) No. 453/2010. Version 1/dsc 24/June/2015. This version replaces all previous versions.

36/37/38 Irritating to eyes, respiratory system and skin.

40 Limited evidence of a carcinogenic effect.

Asp. Tox. Aspiration hazard

Acute Tox. Acute toxicity

Skin Corr./Irrit. Skin corrosion/irritation

Skin Sens. Skin sensitization

Aquatic Acute Hazardous to the aquatic environment - acute

Aquatic Chronic Hazardous to the aquatic environment - chronic

Eye Dam./Irrit. Serious eye damage/eye irritation

STOT SE Specific target organ toxicity — single exposure

Carc. Carcinogenicity

Carc. Cat. 3 Carcinogenic substances Category 3: Substances which cause concern for man owing to possible carcinogenic effects.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H302 Harmful if swallowed.

H411 Toxic to aquatic life with long lasting effects.

H304 May be fatal if swallowed and enters airways.

EUH066 Repeated exposure may cause skin dryness or cracking.

H402 Harmful to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H351 Suspected of causing cancer.

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