

## **CLAYTON PLANT PROTECTION**

**CLAYTON SPARTA** Safety Data Sheet according to Regulation (EU) No. 453/2010. Version 1/dsc 30/04/2015 This version replaces all previous versions

### **01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

**Trade name**

**CLAYTON SPARTA**

**Producer/Supplier**

Clayton Plant Protection (UK) Ltd., Bracetown Business Park,  
Clonee, Dublin15. Ireland. Tel: (00 353) 1 8210127  
[www.claytonpp.com](http://www.claytonpp.com) Email: [info@claytonpp.com](mailto:info@claytonpp.com)

**Use of the substance / preparation**

Insecticide - Insecticidal emulsion concentrate  
For use against biting and sucking insects

### **02. HAZARDS IDENTIFICATION**

<b>Regulation (EC) No 1272/2008 [CLP]</b>		
<b>Hazard classes/Hazard categories</b>	<b>Hazard statement</b>	
Flammable Liquid 3	H226	Flammable liquid and vapour
Aspiration Toxicity 1	H304	May be fatal if swallowed and enters airways
Acute Toxicity 4	H302 H332	Harmful if swallowed Harmful if inhaled
Eye Irritation 2	H319	Causes serious eye irritation
Aquatic Acute 1	H400	Very toxic to aquatic life
Aquatic Chronic 1	H410	Very toxic to aquatic life with long lasting effects
STOT SE 3	H336	Vapours may cause drowsiness and dizziness

<b>Directive 1999/45/EC</b>	
<b>Hazards characteristics</b>	<b>R-Phrases</b>
Harmful by inhalation and if swallowed.	R 20/22
Irritant to eyes.	R 36
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	R 50/53
Harmful: may cause lung damage if swallowed.	R 65
Vapours may cause drowsiness and dizziness.	R 67

### **03. COMPOSITION/INFORMATION ON INGREDIENTS**

**Description**

50 g/l lambda Cyhalothrin as Emulsion Concentrate (EC)

**Hazard ingredients**

<b>Chemical name</b>	<b>EC-No</b>	<b>CAS-No</b>	<b>Amount (%)</b>	<b>Classification according Regulation (EC) No 1272/2008 [CLP]</b>		<b>Classification according 67/548/EEC</b>	
				<b>Hazard classes/Hazard categories</b>	<b>Hazard statements</b>	<b>Classification</b>	<b>R-Phrases</b>
Lambda Cyhalothrin		91465-08-6	5.7% w/w	Acute Tox. 2 Acute Tox. 3 Acute Tox. 4 Aquatic Acute 1 Aquatic Chronic 1	H301 - H312 - H330 - H410	T+, N	21-25-26- 50/53
Solvent Naptha	265-198-5	64742-94-5	>50% w/w			Xn, N	51/53-65-66- 67
Surfactant	247-557-8	26264-06-2	5-10% w/w			Xi	10-37/38-41- 52/53-67
Fragrance/Anti-Smell			>1% w/w			Xi	43-52/53

**Remark:**

Full text of R- and H-phrases: see section 16

## **CLAYTON PLANT PROTECTION**

**CLAYTON SPARTA** Safety Data Sheet according to Regulation (EU) No. 453/2010. Version 1/dsc 30/04/2015 This version replaces all previous versions

### **04. FIRST AID MEASURES**

<b>In case of inhalation</b>	Remove patient to fresh air, keep warm and at rest. Obtain medical attention as a precaution.
<b>In case of skin contact</b>	Take off immediately all contaminated clothing. Wash skin immediately with water, followed by soap and water. Such prompt action is essential so as to minimize skin contact. Contaminated clothing must be thoroughly washed before re-use. In contact with skin the product can cause burning or tingling without externally visible irritation. The occurrence of these effects should be considered as warning, further exposure must be avoided. If these symptoms does not abate or further will come along, a doctor must be consulted.
<b>In case of eye contact</b>	Immediately irrigate the eye with eyewash solution or clean water, holding the eye lids apart, for at least fifteen minutes. Obtain immediate medical attention.
<b>In case of ingestion</b>	Do not induce vomiting. If swallowed, seek medical advice immediately and show the container, label or this data sheet, if possible.
<b>Information to physician</b>	Ingestion and subsequent vomiting may cause aspiration into the lungs, which can lead to chemical pneumonia or suffocation.

---

### **05. FIRE-FIGHTING MEASURES**

<b>Suitable extinguishing media</b>	dry powder, sand, carbon dioxide
<b>Extinguishing media which must not be used for safety reasons</b>	water
<b>Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases</b>	In fire conditions, may release irritating and toxic gases due to thermal decomposition or combustion
<b>Special protective equipment for fire-fighters</b>	Self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions
<b>Additional information</b>	Fire-fighting measures that suit the environment. Incidental extinguishing agent is not empty into drains.

---

### **06. ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions</b>	Ensure suitable personal protection during removal of spillages. This means wearing a face mask that gives protection against organic vapours, eye protection, chemically resistant gloves, boots and coveralls.
<b>Methods for cleaning up</b>	Cover with absorbent material such as sand, earth, etc., while preventing the runoff by amassing a barrier. Collect material in specially marked, sealable containers. Spilled product cannot be used further and must be disposed of. Avoid contamination of waters and sewers.
<b>Additional information</b>	Spillages of uncontrolled discharges into water courses must be alerted to the appropriate Rivers Authority or Environmental Agency. If product has entered a watercourse or sewer, or has grossly contaminated soil or vegetation in a public place, advise the police.

---

### **07. HANDLING AND STORAGE**

<b>Handling</b>	Do not breathe spray mist. Avoid contact with eyes, skin and clothing. Avoid inhalation of high concentration of vapours. While using do not eat, drink or smoke. Wash hands and face before eating, drinking and smoking. The usual precautionary measures for handling with chemicals should be observed.
<b>Storage</b>	Keep container tightly closed and store in a cool, well ventilated place. Keep product away from open flames and other ignition sources. Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a place accessible by authorized persons only. Protect from freezing. Keep away from direct sunlight. Do not store below 5 ° C or above 30 ° C.

## **CLAYTON PLANT PROTECTION**

**CLAYTON SPARTA** Safety Data Sheet according to Regulation (EU) No. 453/2010. Version 1/dsc 30/04/2015 This version replaces all previous versions

### **08. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Components with occupational exposure limits:

Substance name	Occupational exposure limit value	Measure value
Lambda Cyhalothrin	0.04 mg/m <sup>3</sup>	8 h TWA
Solvent Naphtha	100 mg/m <sup>3</sup> , 17 ppm	8 h TWA

Personal protection equipment:

<b>Respiratory protection</b>	Avoid inhalation of vapours. In case of heavy exposure use a gas mask with universal filter.
<b>Hand protection</b>	Suitable chemical resistant safety gloves to EN374 (e.g. Nitrile)
<b>Eye protection</b>	Suitable sealing safety goggles to EN166
<b>Body protection</b>	Suitable protective clothing (eg overalls) heavy duty cotton or synthetic fabric. Rubber apron, work shoes or boots.
<b>General health and hygiene measures</b>	Remove contaminated clothing immediately. Do not eat, drink or smoke. Maintain a high level of cleanliness in the work area. The usual precautionary measures for handling with chemicals should be observed.
<b>Precautions after work</b>	Wash thoroughly (shower, wash / bathe, wash hair). Change clothes. Clean all protective equipment thoroughly with soap or soda solution.
<b>Instructions and conditions for personal protection</b>	Protection equipment must comply with national standards and accident prevention regulations. When using this product, refer to the label for details. In all other cases, use the above mentioned Personal Protective Equipment.

### **09. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical state:</b>	liquid
<b>Colour:</b>	colourless to pale yellow
<b>Odour:</b>	aromatic solvent odour
<b>Relative Density:</b>	0.898 g/cm <sup>3</sup> at 20° Celsius
<b>Solubility:</b>	miscible in water
<b>pH-value:</b>	4.4 – 5.4
<b>Boiling point/range:</b>	not available
<b>Flashpoint :</b>	57 ° Celsius
<b>Auto-flammability:</b>	No auto-ignition up to a temperature of 460°C.

### **10. STABILITY AND REACTIVITY**

**Chemical stability** stable under normal conditions

### **11. TOXICOLOGICAL INFORMATION**

The following toxicological data refer, unless otherwise noted on the preparation.

**Acute toxicity**

<b>LD50 oral</b>	(rat)	>300 mg/kg
<b>LD50 dermal</b>	(rat)	>2000 mg/kg
<b>LC50 inhalation (4-hour)</b>	(rat)	2.54 mg/l
<b>Eye Irritation</b>	(rabbit)	irritant
<b>Skin Irritation</b>	(rabbit)	Not irritant
<b>Skin Sensitization</b>	(Guinea pig)	Not sensitizing
<b>Other effects</b>	In humans may cause tingling or numbness in exposed areas (paraesthesia). The effect may result from splash, aerosols or transfer to the face from contaminated gloves and hands. This effect is transient, lasting up to 24 hours.	

### **12. Ecological information**

<b>Ecotoxicity</b>	The agent is toxic to fish and aquatic organism. The agent is toxic to bees, except in pursuance of the end of the daily bee flight, classified, (B2). The agent is harmful to relevant beneficial organism.
<b>Acute fish toxicity LC50</b>	Bluegill ( <i>Lepomis macrochirus</i> ); 96 h LC <sub>50</sub> = 0.21 µg a.i./L Review report 7572/VI/97-final – 25/01/2001

## **CLAYTON PLANT PROTECTION**

**CLAYTON SPARTA** Safety Data Sheet according to Regulation (EU) No. 453/2010. Version 1/dsc 30/04/2015 This version replaces all previous versions

<b>Acute daphnia toxicity EC50</b>	water flea ( <i>Daphnia magna</i> ); 48 h EC <sub>50</sub> = 0.36 µg a.i./L Review report 7572/VI/97-final – 25/01/2001
<b>Acute algae toxicity EC50</b>	( <i>Selenastrum</i> ) 96 h EC <sub>50</sub> >300 µg a.i./L Review report 7572/VI/97-final - 25/01/2001
<b>Further ecological information</b>	Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment. Avoid that product, residues thereof, empty container and jetting liquid entering to watercourse or sewer

### **13. DISPOSAL CONSIDERATIONS**

#### **SECTION 13: DISPOSAL CONSIDERATIONS**

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

**Product** In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant. Advice may be obtained from the local waste regulation authority (part of the Environment Agency in the UK).

**Contaminated packaging** containers should be rinsed thoroughly using an integrated pressure rinsing device, or, by manually rinsing three times. Add washings to sprayer at time of filling. Dispose of empty and cleaned packaging safely. Follow advice on product label and/or leaflet. **Waste codes 02 01 08:** agrochemical waste containing dangerous substances

### **14. TRANSPORT INFORMATION**

#### **Land transport (ADR/RID/GGVSE):**

**Official transport designation:** FLAMMABLE LIQUID, N.O.S. (Solvent naphtha and lambda cyhalothrin mixture)

**Class:** 3

**Classification Code:** F1

**UN-No.:** 1993

**Packing group:** III

**Hazard label:** 3

**According ADR 5.2.1.8.1** Symbol (Fish and Tree)

**Tunnel restriction code:** D/E

**Special provisions:** ADR 3.4 – limited quantity : 5



### **15. REGULATORY INFORMATION**

#### **Labelling (Regulation (EC) No 1272/2008)**

**Signal words**

**Danger**

**Hazard Statements**

H226	Flammable liquid and vapour
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H332	Harmful if inhaled
H319	Causes serious eye irritation
H336	Vapours may cause drowsiness and dizziness
H410	Very toxic to aquatic life with long lasting effects

#### **Precautionary Statements**

##### *Prevention*

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P261	Avoid breathing vapours/spray
P271	Use only outdoors or in a well-ventilated area
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection

##### *Response*

P301 + P310:	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P331:	Do NOT induce vomiting
P304 + P340, P312	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.

##### *Storage*

P405: Store locked up.

##### *Disposal*

P501: Dispose of contents/container to waste management facility in accordance with local/regional/national/ international regulation.



## **CLAYTON PLANT PROTECTION**

**CLAYTON SPARTA** Safety Data Sheet according to Regulation (EU) No. 453/2010. Version 1/dsc 30/04/2015 This version replaces all previous versions

### Labelling (67/548/EEC or 1999/45/EC)

#### Hazard symbols

**Xn - Harmful**  
**N – Dangerous for the environment**



#### R-Phrase

R20/22 Harmful by inhalation and if swallowed  
R36 Irritant to eyes  
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  
R67 Vapours may cause drowsiness and dizziness

#### S-Phrases

S2 Keep out of reach of children  
S13 Keep away from food, drink and animal feedstuffs  
S23 Do not breathe fumes/vapour  
S29 Do not empty into drains  
S36/37 Wear suitable protective clothing and gloves  
S39 Wear eye/face protection  
S46 If swallowed, seek medical advice immediately and show this container or label  
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show the container or label

**Further Information** To avoid risks to man and environment, the instructions must be observed.  
Contains solvent naphtha. Do not reuse empty packaging.

### **16. OTHER INFORMATION**

<b>H-Phrases with reference to section 3</b>	H301 Toxic if swallowed H312 Harmful in contact with skin H330 Fatal if inhaled H410 Very toxic to aquatic life with long lasting effects
<b>R-Phrases with reference to section 3</b>	21 Harmful in contact with skin 25 Toxic if swallowed 26 Very toxic by inhalation 37 Irritating to respiratory system 37/38 Irritating to respiratory system and skin 41 Risk of serious damage to eyes 50/53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment 51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment 65 Harmful: may cause lung damage if swallowed 66 Repeated exposure may cause skin dryness or cracking 67 Vapours may cause drowsiness and dizziness
<b>Training advice for users</b>	The use of the product requires expertise

The above information is intended to give general health and safety guidance on the storage and transport of the product. It is not intended to apply to the use of the product for which purposes the product label and any appropriate technical usage literature available should be consulted and any relevant licenses, consents or approvals complied with. The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given. The information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate. No liability will be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.