

# CLAYTON PLANT PROTECTION

**CLAYTON JAVA** Safety Data Sheet according to Regulation (EC) No. 1907/2006 and Regulation (EU) No. 453/2010. Version 2/dsc 20/06/2016. This version replaces all previous versions.

1. Identification of the substance/preparation and of the company/undertaking  
**Product label name** **CLAYTON JAVA** containing etoxazole, 11% suspension concentrate. MAPP15155  
**Relevant identified uses of the substance or mixture and uses advised against**  
**Use** Acaricide (agricultural use)  
**Supplier** Clayton Plant Protection (UK) Ltd., Bracetown Business Park, Clonee, Dublin15. Ireland.  
Tel: (00 353) 1 8210127 www.cpp.ag Email: info@cpp.ag

## 2. HAZARD IDENTIFICATION

**2.1 Chemical description** **Etoxazole, 11% suspension concentrate** GIFAP Code : SC

Label elements

Labelling in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Hazard label for supply/use required.

Hazardous components which must be listed on the label : etoxazole

**Signal word** : Warning

**Symbols** DANGEROUS FOR THE ENVIRONMENT (N)



### Hazard Statements

H400 : Very toxic to aquatic organisms

H410 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

EUH401 : Read the instructions to avoid risks to human health and the environment.

### Precautionary statements

P260 : Do not breathe spray

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.

### Special risks and safety precautions (directive 91/414/EEC):

**General provisions** SP 1: Do not contaminate water with the product or its container (Do not clean application equipment near surface water).

S57: Use appropriate containment to avoid environmental contamination.

### Specific safety precautions

SPe 3: To protect aquatic organisms respect an unsprayed buffer zone of (as indicated on the label) to surface water bodies.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is to be considered as a preparation in conformance to EC directives.

Information on hazardous ingredients :

Chemical description Etoxazole, 11% suspension concentrate

### Composition/Information on ingredients

Number	% w/w	CAS number	Chemical name						
	11	153233-91-1	(RS)-5-tert-butyl-2-[2-(2,6-difluorophenyl)-4,5-dihydro-1,3-oxazol-4-yl] phenetole						
Number	EC number	Annex-1	Symbol(s)	1272/2008	Risk phrases	Symbols	Dir 67/548	Risk Phrases	Dir 67/548
	yes		GHS09		H400, H410	N		R50/53	

## 4. FIRST AID MEASURES

**Symptoms and effects** Mildly irritating to eyes.

First aid

General

In all cases of doubt, seek medical attention.

Inhalation

Move to fresh air. If symptoms persist, seek medical advice.

Skin

Remove contaminated clothing. Wash immediately with soap and water.

Eye

Rinse thoroughly with plenty of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical advice if irritation develops.

Ingestion

Rinse mouth. Never induce vomiting in unconscious or confused persons. Seek medical advice.

Advice to physician

No specific recommendations.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing media** Dry chemical powder, carbon dioxide, sand, water.

Unsuitable extinguishing media none known

**Special exposure hazards** none known

**Hazardous decomposition/combustion products** No hazardous decomposition products known.

**Protective equipment** Wear self contained breathing apparatus. Wear suitable protective clothing and eye/face protection.

**Other information** Water used to extinguish a fire should not be allowed to enter the drainage system or water courses.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions** Avoid contact with eyes. For personal protection see section 8.

**Environmental precautions** Do not allow to escape into sewage system or water courses.

**Methods for cleaning up** In case of spills (liquid), soak it up immediately with suitable absorbent, such as sawdust or granular absorbent clay. Sweep up and dispose as waste following local regulations. Do not wash residues into drains or other waterways.



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## 7. HANDLING AND STORAGE

<b>Handling</b>	The usual precautions for handling chemicals should be observed. For personal protection see section 8.
<b>Fire and explosion prevention</b>	No specific recommendations.
<b>Storage requirements</b>	Store in a dry and cool place. Keep container in a well-ventilated place. Keep away from food, drink and animal feeding stuffs.
<b>Other information</b>	Do not mix with water (except for the normal preparation).

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Engineering controls</b>	Provide adequate ventilation.
<b>Exposure limits</b>	No exposure limits have been established for this material.
<b>Personal protection</b>	
<b>Respiratory</b>	The usual precautions for handling chemicals should be observed.
<b>Hand</b>	Wear protective gloves.
<b>Eye</b>	Wear safety goggles or face shield.
<b>Skin and body</b>	Wear suitable protective clothing.
<b>Other information</b>	Laundry clothes before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	opaque liquid
<b>Colour</b>	white
<b>Odour</b>	faint chemical
<b>Boiling point/range</b>	not determined
<b>Melting point/range</b>	-4.3°C (freezing point)
<b>Flash point</b>	>70°C (Abel-Pensky)
<b>Flammability</b>	not flammable
<b>Autoignition temperature</b>	no self ignition up to 600°C
<b>Explosive properties</b>	not explosive
<b>Explosion limits</b>	not determined
<b>Oxidising properties</b>	not oxidising
<b>Vapour pressure</b>	not determined
<b>Density</b>	1.03 g/ml (20°C)
<b>Bulk density</b>	not applicable
<b>Solubility in water</b>	dispersible in water (solubility of etoxazole = 0.0704 mg/l, 20°C)
<b>Solubility in other solvents</b>	not applicable
<b>pH value</b>	7.7 (1% in water, 24°C)
<b>Partition coefficient n-octanol/water</b>	not applicable (etoxazole: log Pow = 5.5, 20°C)
<b>Relative vapour density (air = 1)</b>	not determined
<b>Viscosity</b>	31-452 mPa.s (depends on shear rate ; 20°C)
<b>Surface tension</b>	42 mN/m (0.166 ml/l ; 20°C)

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage and handling conditions (see section 7).
<b>Conditions to avoid</b>	none known.
<b>Materials to avoid</b>	none known.
<b>Hazardous decomposition products</b>	No hazardous decomposition products known (see also section 5).

## 11. TOXICOLOGICAL INFORMATION

<b>Name</b>	<b>Etoxazole, 11% suspension concentrate</b>
<b>Acute toxicity</b>	
<b>Oral LD50</b>	rat: >5000 mg/kg
<b>Dermal LD50</b>	rat: >2000 mg/kg
<b>Inhalation</b>	rat (4 hours): >1.09 mg/l (maximum feasible concentration ; whole body)
<b>Irritation</b>	
<b>Skin</b>	not irritant
<b>Eye</b>	mild irritant
<b>Sensitization</b>	not sensitizing (Maximisation test)
<b>Other toxicological information</b>	<b>Active substance (etoxazole technical grade):</b> not mutagenic, not teratogenic, not carcinogenic, not toxic to reproduction.

## 12. ECOLOGICAL INFORMATION

<b>Name</b>	<b>Etoxazole, 11% suspension concentrate</b>
<b>Ecotoxicity</b>	
<b>Daphnia</b>	Acute toxicity, 48h-EC50 (Daphnia magna) : 19 µg/l (equiv. 2 µg a.s./l)

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<b>Bees</b>	Acute contact toxicity, LD50 (Apis mellifera) : >100 µg a.s./bee Acute oral toxicity, LD50 (Apis mellifera) : >100 µg a.s./bee
The following data are applicable to the ingredient(s) listed below:	
<b>Name</b>	<b>Etoazole, technical grade</b>
<b>Ecotoxicity</b>	
<b>Fish</b>	Acute toxicity, 96h-LC50 (Oncorhynchus mykiss) : 2.8 mg/l (semi-static test) Acute toxicity, 96h-LC50 (Lepomis macrochirus) : 1.4 mg/l (semi-static test) Acute toxicity, 48h-EC50 (Daphnia magna) : 7.1 µg/l Acute toxicity, 72h-EC <sub>50</sub> & EC <sub>10</sub> (Selenastrum capricornutum) : >10 mg/l
<b>Daphnia</b>	Acute toxicity, LD50 (Mallard duck) : >2000 mg/kg
<b>Algae</b>	Acute contact toxicity, 48h-LD50 (Apis mellifera) : >200 µg/bee
<b>Birds</b>	Acute oral toxicity, 48h-LD50 (Apis mellifera) : >200 µg/bee
<b>Bees</b>	Acute oral toxicity, 14d-LC50 (Eisenia foetida) : >1000 mg/kg soil
<b>Earthworms</b>	
<b>Fate</b>	
<b>Degradation Biotic</b>	Not readily biodegradable
<b>Degradation Abiotic</b>	pH5: DT50 = 9.6 days at 20°C pH7: DT50 = 147 - 161 days at 20°C pH9: DT50 = 165 - 217 days at 20°C
<b>Bioaccumulation</b>	Partition coefficient n-octanol/water log Pow : 5.5 (20°C) Bio Concentration Factor (BCF), exposure 30 days (Oncorhynchus mykiss): 2500 – 3300 (depuration time: CT50 = 3-6 days - whole fish)

## 13. DISPOSAL CONSIDERATIONS

<b>Product</b>	According to local regulations. For further advice contact manufacturer.
<b>Contaminated packaging</b>	According to local regulations.

## 14. TRANSPORT INFORMATION

<b>Land transport ADR/RID</b>			
ADR/RID class	9	Packing group	III
Label(s)	9	Substance Identification no.	3082
Hazard Identification no.	90	UN number	3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains: 11% etoazole)		
<b>Sea transport IMO/IMDG code</b>			
Class	9	UN number	3082
Marine pollutant	no	Packing group	III
EMS	F-A, S-F		
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains: 11% etoazole)		
<b>Air transport ICAO-TI/IATA-DGR</b>			
Class	9	UN number	3082
		Packing group	III
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains: 11% etoazole)		

## 15. REGULATORY INFORMATION

See hazard identification in section 2.

As appropriate, the classification is based on:

- directive 2001/59/EC (results of the experimental studies),
- directives 1999/45/EC, 2001/60/EC, 2006/8/EC (classification based on the concentration of active substance and ingredients),
- directive 2003/82/EC for pesticides (special risks and safety precautions).

The safety data sheet is written according to Regulation (EC) No 1907/2006 of 18 December 2006 (REACH) and subsequently amended.

## 16. OTHER INFORMATION

### Full text of risk phrase(s) used in this document:

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

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.