

**Trade name:** CROUPIER OD**Product no.:** MAI 149 C0222 UK**Current version :** 2.0.1, issued: 10.06.2020**Replaced version:** 2.0.0, issued: 04.12.2019**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****CROUPIER OD****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**Plant protection product for professional use. Agriculture.  
Herbicide**Uses advised against**

Consumer use

**1.3 Details of the supplier of the safety data sheet****Address**Certis Europe B.V. - United Kingdom  
Suite 5, 3 Riverside  
Granta Park - Great Abington  
Cambridgeshire CB21 6AD  
United Kingdom

Telephone no. +44 (0) 1223 894 261

Fax no. +44 (0)1223 891210

e-mail info@certiseurope.co.uk - www.certiseurope.co.uk

**Advice on Safety Data Sheet**

certis@certiseurope.co.uk

**1.4 Emergency telephone number**

Carechem 24 GB: +44 870 190 6777

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Aquatic Acute 1; H400

Aquatic Chronic 1; H410

**Classification information**

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)****Hazard pictograms**

GHS09

**Signal word**

Warning

**Hazard statement(s)**

H410

Very toxic to aquatic life with long lasting effects.

**Hazard statements (EU)**

EUH401

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

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P102	Keep out of reach of children.
P273	Avoid release to the environment.
P391	Collect spillage.
P501	Dispose of contents/ container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed empty clean containers which can be disposed of as non-hazardous waste.

**2.3 Other hazards**

PBT assessment

The components of this product are not considered to be a PBT.

vPvB assessment

The components of this product are not considered to be a vPvB.

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not applicable. The product is not a substance.

**3.2 Mixtures****Chemical characterization**

Mixture (preparation); Fluroxypyr + Metsulfuron 324 + 9 g/l (OD)

**Hazardous ingredients**

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration
			%
1	<b>fluroxypyr-meptyl</b>		
	81406-37-3 279-752-9 607-272-00-5 -	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 25.00 - < 50.00 %-b.w.
2	<b>Ethoxylated Polyarylphenol</b>		
	99734-09-5 - - -	Aquatic Chronic 3; H412	>= 10.00 - < 25.00 %-b.w.
3	<b>metsulfuron-methyl</b>		
	74223-64-6 - 613-139-00-2 -	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 2.50 %-b.w.

Full Text for all H-phrases and EUH-phrases: pls. see section 16

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
3	-	-	M = 1000	M = 1000

**SECTION 4: First aid measures****4.1 Description of first aid measures****General information**

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

**After inhalation**

Remove affected person from the immediate area. Ensure supply of fresh air.

**After skin contact**

Wash off immediately with soap and water.

**After eye contact**

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the

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unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

**After ingestion**

Seek medical advice immediately. Rinse out mouth and give plenty of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting.

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

No data available.

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

No data available.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing media**

Dry chemical extinguisher; Carbon dioxide; Foam; Water spray jet

**Unsuitable extinguishing media**

High power water jet

**5.2 Special hazards arising from the substance or mixture**

In the event of fire, the following can be released: Carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO); Chlorides; Fluorides; Sulphur oxides (SxO<sub>y</sub>); Nitrogen oxides (NO<sub>x</sub>); Hydrogen cyanide (HCN)

**5.3 Advice for firefighters**

Run-off water from fire fighting must not be discharged into drains or enter surface water. Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus. Wear protective clothing.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8.

**For emergency responders**

No data available. Personal protective equipment (PPE) - see Section 8.

**6.2 Environmental precautions**

Do not discharge into the drains/surface waters/groundwater. Do not discharge uncontrolled into the subsoil/soil.

**6.3 Methods and material for containment and cleaning up**

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When collected, handle material as described under the section heading "Disposal considerations".

**6.4 Reference to other sections**

No data available.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling****Advice on safe handling**

No special measures necessary if stored and handled as prescribed. Provide good ventilation at the work area (local exhaust ventilation, if necessary).

**General protective and hygiene measures**

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work.

**Advice on protection against fire and explosion**

No special measures necessary.

**7.2 Conditions for safe storage, including any incompatibilities****Technical measures and storage conditions**

Keep container tightly closed in a cool, well-ventilated place.

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Containers which are opened must be carefully closed and kept upright to prevent leakage.

**Incompatible products**

Do not store together with: Alkalis; oxidizing agents; Acids

**7.3 Specific end use(s)****Industry solution**

Always read the label and product information before use.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

No parameters available for monitoring.

**8.2 Exposure controls****Appropriate engineering controls**

No data available.

**Personal protective equipment****Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

**Eye / face protection**

Safety glasses (EN 166)

**Hand protection**

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific workstation suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material butyl rubber

**Other**

Normal chemical work clothing.

**Environmental exposure controls**

No data available.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

<b>Form/Colour</b>			
liquid; Dispersion			
beige			
<b>Odour</b>			
pine oil			
<b>Odour threshold</b>			
No data available			
<b>pH value</b>			
Value	7.9	-	8.1
Concentration			1.2 % aqueous solution
<b>Boiling point / boiling range</b>			
No data available			
<b>Melting point / melting range</b>			
No data available			

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<b>Decomposition point / decomposition range</b>	
No data available	
<b>Flash point</b>	
Value	95 °C
<b>Auto-ignition temperature</b>	
No data available	
<b>Oxidising properties</b>	
not oxidizing	
<b>Explosive properties</b>	
No data available	
<b>Flammability (solid, gas)</b>	
The product is not combustible.	
<b>Lower flammability or explosive limits</b>	
No data available	
<b>Upper flammability or explosive limits</b>	
No data available	
<b>Vapour pressure</b>	
No data available	
<b>Vapour density</b>	
No data available	
<b>Evaporation rate</b>	
No data available	
<b>Relative density</b>	
No data available	
<b>Density</b>	
Value	1.094 - 1.098 g/cm <sup>3</sup>
Reference temperature	20 °C
<b>Solubility in water</b>	
Comments	miscible
<b>Solubility(ies)</b>	
No data available	
<b>Partition coefficient: n-octanol/water</b>	
No data available	
<b>Viscosity</b>	
Value	196 mPa*s
Reference temperature	40 °C
Type	dynamic

**9.2 Other information**

<b>Other information</b>
No data available.

**SECTION 10: Stability and reactivity****10.1 Reactivity**

Dangerous reactions are not expected if the product is handled according to its intended use.

**10.2 Chemical stability**

Stable under recommended storage and handling conditions (See section 7).

**10.3 Possibility of hazardous reactions**

No data available.

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Heat, naked flames and other ignition sources.

**10.5 Incompatible materials**

Oxidizing agents; Alkalis; Acids

**10.6 Hazardous decomposition products**

Chlorides; Fluorides; Nitrous oxides (NOx); Sulphur oxides; Hydrogen cyanide (HCN)

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute oral toxicity**

No data available

**Acute dermal toxicity**

No data available

**Acute inhalational toxicity**

No	Substance name	CAS no.	EC no.
1	metsulfuron-methyl	74223-64-6	-
LC50	>	5.3	mg/l
Duration of exposure		4	h
State of aggregation	Dust/mist		
Species	rat		
Source	Manufacturer		

**Skin corrosion/irritation**

No data available

**Serious eye damage/irritation**

No data available

**Respiratory or skin sensitisation**

No data available

**Germ cell mutagenicity**

No	Substance name	CAS no.	EC no.
1	metsulfuron-methyl	74223-64-6	-
Evaluation/classification	Based on available data, the classification criteria are not met.		

**Reproduction toxicity**

No	Substance name	CAS no.	EC no.
1	metsulfuron-methyl	74223-64-6	-
Evaluation/classification	Based on available data, the classification criteria are not met.		

**Carcinogenicity**

No	Substance name	CAS no.	EC no.
1	metsulfuron-methyl	74223-64-6	-
Evaluation/classification	Based on available data, the classification criteria are not met.		

**STOT - single exposure**

No data available

**STOT - repeated exposure**

No data available

**Aspiration hazard**

No data available

**SECTION 12: Ecological information****12.1 Toxicity****Toxicity to fish (acute)**

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No	Substance name	CAS no.	EC no.
1	metsulfuron-methyl	74223-64-6	-
LC50		100	mg/l
Duration of exposure		96	h
Species	Poecilia reticulata		
Source	Manufacturer		

Toxicity to fish (chronic)			
No	Substance name	CAS no.	EC no.
1	metsulfuron-methyl	74223-64-6	-
NOEC		68	mg/l
Duration of exposure		21	day(s)
Species	Oncorhynchus mykiss		
Method	OECD 210		
Source	Manufacturer		

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	metsulfuron-methyl	74223-64-6	-
EC50		43.1	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Source	Manufacturer		

Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	metsulfuron-methyl	74223-64-6	-
NOEC		100	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	Manufacturer		

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	metsulfuron-methyl	74223-64-6	-
ErC50		0.1134	mg/l
Duration of exposure		72	h
Species	Anabaena flos-aquae		
Source	Manufacturer		

Toxicity to algae (chronic)			
No	Substance name	CAS no.	EC no.
1	metsulfuron-methyl	74223-64-6	-
NOEC		0.050	mg/l
Duration of exposure		72	h
Species	Selenastrum capricornutum		
Source	Manufacturer		

Bacteria toxicity			
No data available			

## 12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	metsulfuron-methyl	74223-64-6	-
Source	Manufacturer		
Evaluation	not readily biodegradable		

## 12.3 Bioaccumulative potential

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
1	metsulfuron-methyl	74223-64-6	-

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BCF	2.0
Species	Lepomis macrochirus
Method	OECD 305
Source	Manufacturer

**12.4 Mobility in soil**

No data available.

**12.5 Results of PBT and vPvB assessment**

Results of PBT and vPvB assessment	
PBT assessment	The components of this product are not considered to be a PBT.
vPvB assessment	The components of this product are not considered to be a vPvB.

**12.6 Other adverse effects**

No data available.

**12.7 Other information**

Other information
Do not allow to enter soil, waterways or waste water canal.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

**Packaging**

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

**SECTION 14: Transport information****14.1 Transport ADR/RID/ADN**

Class	9
Classification code	M6
Packing group	III
Hazard identification no.	90
UN number	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Technical name	fluroxypyr-meptyl metsulfuron-methyl
Tunnel restriction code	-
Label	9
Environmentally hazardous substance mark	Symbol "fish and tree"

**14.2 Transport IMDG**

Class	9
Packing group	III
UN number	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Technical name	fluroxypyr-meptyl metsulfuron-methyl
EmS	F-A, S-F
Label	9
Marine pollutant mark	Symbol "fish and tree"

**14.3 Transport ICAO-TI / IATA**

Class	9
Packing group	III
UN number	UN3082



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Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Technical name	fluroxypyr-meptyl metsulfuron-methyl
Label	9
Environmentally hazardous substance mark	Symbol "fish and tree"

**14.4 Other information**

No data available.

**14.5 Environmental hazards**

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

**14.6 Special precautions for user**

No data available.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not relevant

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

**REACH candidate list of substances of very high concern (SVHC) for authorisation**

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

**Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES**

The product is considered being subject to REACH regulation (EC) 1907/2006 annexe XVII.	No 3
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**Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances**

This product is subject to Part I of Annex I, risk category:	E1
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**15.2 Chemical safety assessment**

A chemical safety assessment has not been carried out for this mixture.

**SECTION 16: Other information****Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

**Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)**

H400 Very toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

**Department issuing safety data sheet**

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This information is based on our present knowledge and experience.  
The safety data sheet describes products with a view to safety requirements.  
It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

**Alterations/supplements:**

Alterations to the previous edition are marked in the left-hand margin.

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Prod-ID 761872