

Trade name: CROUPIER OD**Product no.:** MAI 149 C0222 PL**Current version :** 3.1.2, issued: 16.06.2021**Replaced version:** 3.1.0, issued: 11.10.2020**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. (EU)

Stadsplateau 16

3521 AZ Utrecht - Netherlands

Telephone no. +31(0)30 200 1200

Fax no. +31 (0)30 310 0241

e-mail www.certiseurope.com**Advice on Safety Data Sheet**www.certiseurope.com**1.4 Emergency telephone number**

Carechem 24 EU: +44 1235 239670

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

Classification and labelling are based on toxicological studies performed on the product (mixture).

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.

Precautionary statement(s)

P102

Keep out of reach of children.

P273

Avoid release to the environment.

P391

Collect spillage.

P501

Dispose of contents/container to hazardous or special waste collection point.

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.

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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 CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Additional information Concentration	%
1	fluroxypyr-meptyl			
	81406-37-3 279-752-9 607-272-00-5 -	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 25.00 - < 50.00	wt%
2	Ethoxylated Polyarylphenol			
	99734-09-5 - - -	Aquatic Chronic 3; H412	>= 10.00 - < 25.00	wt%
3	metsulfuron-methyl			
	74223-64-6 - 613-139-00-2 -	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 2.50	wt%
4	Silicon dioxide (amorphous)			
	112945-52-5 231-545-4 - -	-	< 2.50	wt%

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**

If medical advice is needed, have product container or label at hand.

After inhalation

Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

After skin contact

Take off contaminated clothing. Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

After ingestion

Rinse mouth. Call a POISON CENTER or doctor/physician.

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

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In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO); Chlorides; Fluorides; Sulphur oxides (SxO_y); Nitrogen oxides (NO_x); 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 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.

Requirements for storage rooms and vessels

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****Occupational exposure limit values**

No	Substance name	CAS no.	EC no.
1	Silicon dioxide (amorphous)	112945-52-5	231-545-4
List of approved workplace exposure limits (WELs) / EH40			
Silica, amorphous inhalable dust			
	WEL long-term (8-hr TWA reference period)	6	mg/m ³
List of approved workplace exposure limits (WELs) / EH40			
Silica, amorphous respirable dust			
	WEL long-term (8-hr TWA reference period)	2.4	mg/m ³

8.2 Exposure controls**Appropriate engineering controls**

No data available.

Personal protective equipment

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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 work-station 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**

State of aggregation	
liquid	
Form/Colour	
Liquid	
beige; grey	
Odour	
menthol-like	
pH value	
Value	8.63
Reference temperature	20 °C
Method	CIPAC MT 75
Source	Manufacturer
Value	7.39
Reference temperature	20 °C
Concentration	1 % aqueous solution
Method	CIPAC MT 75
Source	Manufacturer
Boiling point / boiling range	
No data available	
Melting point/freezing point	
No data available	
Decomposition temperature	
No data available	
Flash point	
Value	96.75 °C
Method	EEC A9
Source	Manufacturer
Ignition temperature	
No data available	
Auto-ignition temperature	
Value	< 400 °C
Method	EEC A.15
Source	Manufacturer
Comments	Product is not selfigniting.
Oxidising properties	
not oxidizing	
Explosive properties	
not explosive	
Flammability	
The product is not combustible.	
Lower explosion limit	
No data available	

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Upper explosion limit	
No data available	
Vapour pressure	
No data available	
Relative vapour density	
No data available	
Relative density	
No data available	
Density	
Value	1.094 g/cm ³
Reference temperature	20 °C
Method	EEC A3
Source	Manufacturer
Solubility in water	
Comments	miscible
Solubility	
No data available	
Partition coefficient n-octanol/water (log value)	
No data available	
Viscosity	
Value	196 mPa*s
Reference temperature	40 °C
Type	dynamic
Particle characteristics	
No data available	

9.2 Other information

Other information
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.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

10.5 Incompatible materials

Oxidizing agents; Alkalis; Acids

10.6 Hazardous decomposition productsChlorides; Fluorides; Nitrous oxides (NO_x); Sulphur oxides; Hydrogen cyanide (HCN)**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute oral toxicity	
No	Product Name
1	CROUPIER OD
Method	calculated
Source	Manufacturer
Evaluation/classification	Based on available data, the classification criteria are not met.
Acute dermal toxicity	
No	Product Name
1	CROUPIER OD
Method	calculation method
Source	Manufacturer
Evaluation/classification	Based on available data, the classification criteria are not met.

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Acute inhalational toxicity			
No	Product Name	CAS no.	EC no.
1	CROUPIER OD		
State of aggregation		Dust/mist	
Method		calculation method	
Source		Manufacturer	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Skin corrosion/irritation			
No	Product Name	CAS no.	EC no.
1	CROUPIER OD		
Source		Manufacturer	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Serious eye damage/irritation			
No	Product Name	CAS no.	EC no.
1	CROUPIER OD		
Source		Manufacturer	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Respiratory or skin sensitisation			
No	Product Name	CAS no.	EC no.
1	CROUPIER OD		
Route of exposure		Skin	
Source		Manufacturer	
Evaluation/classification		Based on available data, the classification criteria are not met.	
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			

11.2 Information on other hazards**Endocrine disrupting properties**

No data available.

Other information

No data available.

SECTION 12: Ecological information**12.1 Toxicity**

Toxicity to fish (acute)			
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)

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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	-
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 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

12.8 Other information

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

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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

Residues 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
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
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
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Technical name	fluroxypyr-meptyl
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 Maritime transport in bulk according to IMO instruments

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

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The product is considered being subject to REACH regulation (EC) 1907/2006 annex 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.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

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 section.

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.

Creation of the 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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