

ΙE

Certis Belchim

Curre	nt version : 3.0.1, issu	ued: 28.06.2023         Replaced version: 3.0.0, issued: 02.05.2023	Region
SEC	TION 1: Identific	ation of the substance/mixture and of the company/undertaking	
1.1	Product identifie Trade name RHINO UFI: ANV0-30SW-H007		
1.2			
1.3	Address Certis Belchim B.V. Stadsplateau 16 3521 AZ Utrecht - I Telephone no. Fax no. e-mail Advice on Safety www.certisbelchim. Identification of Address Certis Belchim B.V.	Nederland 0031 (0)30 200 1200 0031 (0)30 310 0241 info@certisbelchim.com Data Sheet .com f the supplier Y United Kingdom e, Granta Park - Great Abington	
1.4	Dublin – National F	for medical professionals: Poisons Information Centre, Beaumont Hospital, Dublin 9: n to 10pm – 7 days: +353 (01) 809 2166 353(01)809 2566	
SEC	TION 2: Hazards	identification	
2.1	Classification of	the substance or mixture	

Classification in accordance with Regulation (EC) No 1272/2008 (CLP) Aquatic Chronic 2; H411 Eye Irrit. 2; H319

#### **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) nº 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

GHS07 Signal word



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Warning	
<b>Hazard statement(s)</b> H319 H411	Causes serious eye irritation. Toxic to aquatic life with long lasting effects.
Hazard statements (EU) EUH208 EUH401	Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction. To avoid risks to human health and the environment, comply with the instructions for use.
Precautionary statement(s) P264 P273 P280 P337+P313 P391 P501	Wash hands thoroughly after handling. Avoid release to the environment. Wear eye protection/face protection. If eye irritation persists: Get medical advice/attention. Collect spillage. 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.
UFI:	

ANV0-30SW-H007-UVJX

## 2.3 Other hazards

PBT assessment

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.

vPvB assessment

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.

## SECTION 3: Composition/information on ingredients

## 3.1 Substances

Not applicable. The product is not a substance.

## 3.2 Mixtures

## **Chemical characterization**

Flutolanil 460 g/l (SL)

Hazardous	ingredients

No	Substance name		Additional information		
	CAS / EC / Index /	Classification (EC) 1272/2008 (CLP)	Concentration	%	
	REACH no				
1	Flutolanil				
	66332-96-5	Aquatic Chronic 2; H411	>= 25,00 - < 50,00	wt%	
	-				
	-				
	-				
2	Ethoxylated Polyary	Iphenol			
	99734-09-5	Aquatic Chronic 3; H412	< 2,50	wt%	
	-				
	-				
	-				
3	Alcohols, C11-15-se	condary, ethoxylated			
	68131-40-8	Eye Dam. 1; H318	< 2,50	wt%	
	-	Aquatic Chronic 3; H412			
	-				
	-				
4	1,2-benzisothiazol-3	(2H)-one			
	2634-33-5	Acute Tox. 4*; H302	< 0,10	wt%	
	220-120-9	Aquatic Acute 1; H400			
	613-088-00-6	Eye Dam. 1; H318			
	-	Skin Irrit. 2; H315			
		Skin Sens. 1; H317			

Full Text for all H-phrases and EUH-phrases: pls. see section 16 (\*,\*\*,\*\*\*\*) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
4	-	Skin Sens. 1; H317: C >= 0,05%	-	-

## **SECTION 4: First aid measures**

## 4.1 Description of first aid measures

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## 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

#### Alter Skin Contac

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. Rinse AWAY from the unaffected eye. 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

Alcohol-resistant foam; Carbon dioxide; Extinguishing powder; Water spray jet

Unsuitable extinguishing media High power water jet

#### 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 (CO2); Carbon monoxide (CO); Nitrogen oxides (NOx); Hydrogen fluoride (HF)

## 5.3 Advice for firefighters

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations. 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. Ensure adequate ventilation.

## 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. Notify the authorities if product enters sewers or public waters.

## 6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). When collected, handle material as described under the section heading "Disposal considerations".

## 6.4 Reference to other sections

Information regarding waste disposal, see section 13. Information regarding personal protective measures, see section 8. Information regarding safe handling, see section 7.

## **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

Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Do not eat, drink or smoke during work time. Remove soiled or soaked clothing immediately. Do not inhale vapours.

## Advice on protection against fire and explosion

No special measures necessary.

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## 7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Keep from freezing. Protect from heat and direct sunlight. **Requirements for storage rooms and vessels** 

Containers which are opened must be carefully closed and kept upright to prevent leakage. Keep only in the original container. **Incompatible products** 

Do not store together with foodstuffs.

## 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

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

## 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

In case of intensive contact, wear protective gloves (EN 374). 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. **Other** 

Chemical-resistant work clothes. Rubber boots. (EN 13832-3/EN ISO 20345)

## 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			
liquid			
Colour			
purple			
Odour			
uncharacteristic			
pH value			
Value		7,3	
Concentration		1	% (water)
Source	Manufacturer		
Boiling point / boiling range			
No data available			
Melting point/freezing point			
No data available			
Decomposition temperature			
No data available			
Flash point			
No data available			

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Ignition temperature									
	ata available osive properties								
	considered to be a product presenting a risk of exp	olosion.							
	mability ata available								
Lowe	er explosion limit								
	ata available								
	Upper explosion limit No data available								
	our pressure ata available								
Relat	tive vapour density								
	ata available								
	<b>tive density</b> ata available								
Dens Value	-		1,136	g/cm <sup>3</sup>					
	rence temperature	Manufacturer	20	°C					
Solu									
	ata available								
	tion coefficient n-octanol/water (log value) Substance name		CAS no.		EC no.				
1 log P	Plutolanil Yow		66332-96-5	3,17	-				
	matic viscosity		440						
	rence temperature		112 20	mPa*s °C					
Source Value	9	Manufacturer	111	mPa*s					
	rence temperature cle characteristics		40	°C					
	ata available								
	Other information								
	r information ata available.								
ECTIO	ON 10: Stability and reactivity								
.1 F	Reactivity								
	The product is stable under normal storage and h	andling condition	s.						
	2 Chemical stability Stable under recommended storage and handling conditions (See section 7).								
	3 Possibility of hazardous reactions Dangerous reactions are not to be expected when handling product according to its intended use.								
	Conditions to avoid Extreme heat								
	Incompatible materials None known.								
.6 H	lazardous decomposition products Combustion or thermal decomposition may generation	ate toxic vapours	i.						
ЕСТІ	ON 11: Toxicological information								

## 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity					
	No	Product Name			
	1	RHINO			

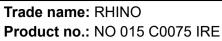
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LD50			2000	malia		
LD50 Speci		> rat	2000	mg/kg		
Sourc		Manufacture	r			
Evalu	ation/classification	Based on the	available data, the classificat	tion criteria are not met.		
Acut	e dermal toxicity					
	Product Name					
	RHINO					
LD50		>	4000	mg/kg		
Spec	ies	rat				
Sourc		Manufacture				
Evaluation/classification criteria are not met.						
	e inhalational toxicity					
	Substance name		CAS no.	EC no.		
1 LC50	Flutolanil	>	<b>66332-96-5</b> 5,98	 mg/l		
	of aggregation	Dust/mist	5,80	Шgл		
Speci		rat				
Sourc	ce	Manufacture	r			
Evalu	ation/classification	On the basis	of the available information, t	he classification criteria are not me		
Skin	corrosion/irritation					
	Product Name					
	RHINO					
Speci		rabbit				
Metho		OECD 404 Manufacture	-			
Sourc	ce ments	tested on sin				
	lation	non-irritant				
	ous eye damage/irritation Product Name					
	RHINO					
Sourc		Manufacture				
	lation		ous eye irritation.			
Speci		Mammals				
Methe Source		OECD 405 Manufacture	r			
	ments		1-15-secondary, ethoxylated			
Evalu		Eye Irrit. 2				
	ation/classification	Causes serio	ous eye irritation			
Resp	iratory or skin sensitisation					
No	Product Name					
	RHINO	Law				
	e of exposure	Skin				
Speci Metho		mouse OECD 429				
	nents	tested on sin	nilar material			
	lation	non-sensitizi				
	n cell mutagenicity		-			
	ata available					
Repr	oduction toxicity					
	ata available					
Carcinogenicity No data available						
	Γ - single exposure ata available					
	Γ - repeated exposure					
	ata available					
	ration hazard					
No da	ata available					
2 Ir	nformation on other hazards					
	Endocrine disrupting properties					
	No data available.					
-						

**Other information** No data available.



12.1 Toxicity

1 LC50

1

**EC50** 

EC50

Species Source

Species

. Source

Comments

No data available

EC50

Species Source

Comments

Source

Comments

Toxicity to fish (acute) No Product Name RHINO

Duration of exposure

RHINO

Duration of exposure

Toxicity to fish (chronic) No data available

Toxicity to Daphnia (acute) No Product Name

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**SECTION 12: Ecological information** 

	oncentration factor (BCF)
No	Substance name

No	Substance name	CAS no.	EC no.
1	Flutolanil	66332-96-5	-
BCF	-	100	
Sou	rce	Manufacturer	
-			

Partition coefficient n-octanol/water (log value)

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3,21

96

6,8

48

12,3

72

3,2

72

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Manufacturer Flutolanil

Daphnia

Manufacturer Flutolanil Toxicity to Daphnia (chronic) No data available Toxicity to algae (acute) NoProduct Name1RHINO >= Duration of exposure Pseudokirchneriella subcapitata Manufacturer Duration of exposure Algae Manufacturer Flutolanil Toxicity to algae (chronic)

#### **Bacteria toxicity** No data available

## 12.2 Persistence and degradability

12.3 Bioaccumulative potential

Biod	legradability					
No	Substance name		CAS no.		EC no.	
1	Flutolanil		66332-96-5		-	
Туре		hydrolysis				
with	reference to	pH 5-9				
Sour	ce	Manufacturer				
Eval	uation/classification	stable				
Туре		photolysis				
Value	e			50		%
Dura	tion			277		day(s)
with	reference to	pH 7				
Sour	ce	Manufacturer				
2	Alcohols, C11-15-secondary, ethoxylated		68131-40-8		-	
Value	e	>		60		%
Duration				28		day(s)
Method		OECD 301 F				
Sour	ce	Manufacturer				

mg/l

mg/l

mg/l

mg/l

h

h

h

h



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No	Substance name	CAS no.	EC no.
1	Flutolanil	66332-96-5	-
log F	Yow	3,17	

## 12.4 Mobility in soil

No data available.

## 12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	According to the information provided in the supply chain, the mixture does not
	contain > 0.1% of a substance that is considered to be PBT.
vPvB assessment	According to the information provided in the supply chain, the mixture does not
	contain > 0.1% of a substance that is considered to be 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 discharge product uncontrolled into the environment.

## **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	Flutolanil
Tunnel restriction code	-
Label	9
Environmentally hazardous substance mark	Symbol "fish and tree"

9

## 14.2 Transport IMDG

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

## 14.3 Transport ICAO-TI / IATA

Class Packing group UN number Proper shipping name Technical name Label Environmentally hazardous substance mark

## 14.4 Other information

No data available.

III UN3082 Environmentally hazardous substance, liquid, n.o.s. Flutolanil 9 Symbol "fish and tree"

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## 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 AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES				
The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. No 3				
The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.				
No	Substance name	CAS no. EC no	No No	
1	1,2-benzisothiazol-3(2H)-one	2634-33-5 220-12	20-9 75	
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: E2				
Other regulations				

Adhere to the national sanitary and occupational safety regulations when using this product.

#### 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)

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
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.

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