

Trade name: Rhino DSG**Product no.:** NO 015 C01760 UK**Current version :** 2.0.0, issued: 23.02.2022**Replaced version:** 1.0.0, issued: 22.02.2022**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****Rhino DSG****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

Fungicide

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet**Address**

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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 Chronic 3; H412

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) 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**

GHS07

Signal word

Warning

Hazard statement(s)

H319

Causes serious eye irritation.

H412

Harmful to aquatic life with long lasting effects.

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EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

Precautionary statement(s)

P264 Wash hands thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

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**

solid plant protection formulation; Flutolanil 6% (DS)

Hazardous ingredients

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	Flutolanil			
	66332-96-5	Aquatic Chronic 2; H411	>= 5.00 - < 10.00	wt%
	-			
	-			
	-			

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

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. 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**Symptoms**

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Causes serious eye irritation

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**

Carbon dioxide; Extinguishing powder; Water spray jet; Foam

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 (CO₂); Carbon monoxide (CO)

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. Run-off water from fire fighting must not be discharged into drains or enter surface water. 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 allow uncontrolled release into the environment.

6.3 Methods and material for containment and cleaning up

Collect mechanically. 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. Do not inhale dust. 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 food, drinks and animal feeding stuffs. Wash hands before breaks and after work. Provide eye wash fountain in work area. Do not inhale dust/fumes/aerosols.

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 and dry in a cool, well-ventilated place.

Requirements for storage rooms and vessels

Store product in closed containers.

Incompatible products

Do not store together with food, beverages and animal feeds; Do not store together with: Alkalis; Acids; oxidizing agents

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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 dust, vapour and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Respirator P2

Eye / face protection

Safety glasses (EN 166)

Hand protection

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

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	
solid	
Form/Colour	
solid	
green	
Odour	
odourless	
pH value	
Value	8.97
Concentration	1 %
Source	Manufacturer
Boiling point / boiling range	
No data available	
Melting point/freezing point	
No data available	
Decomposition temperature	
No data available	
Flash point	

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No data available

Ignition temperature

No data available

Auto-ignition temperature

Value > 140 °C

Source Manufacturer

Oxidising properties

not oxidizing

Explosive properties

The product does not have explosive properties.

Flammability

The product is non-flammable.

Source Manufacturer

Lower explosion limit

No data available

Upper explosion limit

No data available

Vapour pressure

No data available

Relative vapour density

No data available

Relative density

No data available

DensityValue 0.5573 g/cm³

Reference temperature 20 °C

Source Manufacturer

Solubility in water

Value 8.01 mg/l

Reference temperature 20 °C

Reference substance CAS 66332-96-5

Source Manufacturer

Solubility

No data available

Partition coefficient n-octanol/water (log value)

No data available

Viscosity

No data available

Particle characteristics

No data available

9.2 Other information**Other information**

No data available.

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

The product is stable under normal storage and handling conditions.

10.2 Chemical stability

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

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No data available.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

10.5 Incompatible materials

Alkalis; Acids; Oxidizing agents

10.6 Hazardous decomposition products

No hazardous decomposition products known.

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	Rhino DSG		
LD50	>	2000	mg/kg
Species	rat		
Source	Manufacturer		

Acute dermal toxicity			
No	Product Name		
1	Rhino DSG		
LD50	>	2000	mg/kg
Species	rabbit		
Source	Manufacturer		

Acute inhalational toxicity			
No	Product Name		
1	Rhino DSG		
LC50	>	5.13	mg/m ³
State of aggregation	Dust/mist		
Species	rat		
Source	Manufacturer		

Skin corrosion/irritation			
No	Product Name		
1	Rhino DSG		
Species	rabbit		
Source	Manufacturer		
Evaluation	slightly irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Serious eye damage/irritation			
No	Product Name		
1	Rhino DSG		
Species	rabbit		
Source	Manufacturer		
Evaluation	irritant		

Respiratory or skin sensitisation			
No	Product Name		
1	Rhino DSG		
Route of exposure	Skin		
Source	Manufacturer		
Evaluation	non-sensitizing		

Germ cell mutagenicity			
No data available			

Reproduction toxicity			

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No data available
Carcinogenicity
No data available
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	Flutolanil	66332-96-5	-	
LC50	>=	3.21	mg/l	
Duration of exposure		96	h	
Species	Cyprinus carpio			
Method	OECD 203			
Source	Manufacturer			

Toxicity to fish (chronic)				
No data available				

Toxicity to Daphnia (acute)				
No	Substance name	CAS no.	EC no.	
1	Flutolanil	66332-96-5	-	
EC50	>=	6.8	mg/l	
Duration of exposure		48	h	
Species	Daphnia magna			
Source	Manufacturer			

Toxicity to Daphnia (chronic)				
No data available				

Toxicity to algae (acute)				
No	Substance name	CAS no.	EC no.	
1	Flutolanil	66332-96-5	-	
ErC50	>=	3.2	mg/l	
Duration of exposure		72	h	
Species	Selenastrum capricornutum			
Method	OECD 201			
Source	Manufacturer			

Toxicity to algae (chronic)				
No	Substance name	CAS no.	EC no.	
1	Flutolanil	66332-96-5	-	
NOEC	>=	0.18	mg/l	
Duration of exposure		72	h	
Species	Selenastrum capricornutum			
Method	OECD 201			
Source	Manufacturer			

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No data available

12.2 Persistence and degradability**Biodegradability**

No	Substance name	CAS no.	EC no.
1	Flutolanil	66332-96-5	-
Type		hydrolysis	
with reference to Source		pH 5-9 Manufacturer	
Evaluation/classification		stable	
Type		photolysis	
Value		50	%
Duration		277	day(s)
with reference to Source		pH 7 Manufacturer	

12.3 Bioaccumulative potential**Bioconcentration factor (BCF)**

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

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**

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

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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

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances subject to restriction as listed in Annex XVII of the REACH regulation (EC) 1907/2006.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

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)

H411 Toxic 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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