

Trade name: MOGETON**Product no.:** AK 007 C1430/UK**Current version :** 1.0.2, issued: 17.07.2019**Replaced version:** 1.0.1, issued: 20.06.2019**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name

MOGETON**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

Herbicide

Uses advised against

No data available.

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

Certis Europe (GB)

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Granta Park - Great Abington

Cambridgeshire CB21 6AD

United Kingdom

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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

Eye Irrit. 2; H319

Repr. 2; H361

Skin Sens. 1; H317

STOT RE 2; H373

STOT SE 3; H335

Classification information

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

Classification and labelling with respect to water pollution risks are based on ecotoxicological 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**

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GHS07

GHS08

GHS09

Signal word

Warning

Hazardous component(s) to be indicated on label:

2-amino-3-chloro-1,4-naphthoquinone

Hazard statement(s)

H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.
 H361 Suspected of damaging fertility or the unborn child
 H373 May cause damage to organs through prolonged or repeated exposure
 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)

P201 Obtain special instructions before use.
 P260 Do not breathe dust.
 P263 Avoid contact during pregnancy and while nursing.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.
 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

Hazardous ingredients

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration %
1	2-amino-3-chloro-1,4-naphthoquinone		
	2797-51-5 220-529-2 - -	Acute Tox. 4; H302 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Eye Irrit. 2; H319 Repr. 2; H361 Skin Sens. 1; H317 STOT RE 2; H373 STOT SE 2; H371	>= 25.00 - < 50.00 %-b.w.
2	Kaolin		
	1332-58-7 310-194-1 - -	-	>= 10.00 - < 25.00 %-b.w.

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

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	-	-	M = 10	M = 10

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of persisting adverse effects, consult a physician. Change contaminated, saturated clothing. In case of allergic symptoms, especially respiratory tract related, seek medical help immediately.

After inhalation

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

After skin contact

Wash immediately with plenty of water for several minutes.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes).

After ingestion

Call a doctor immediately and show label or packaging. 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

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); Hydrogen chloride (HCl); Nitrogen oxides (NO_x)

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 uncontrolled discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Take up mechanically. When picked up, treat material as prescribed under heading "Disposal considerations".

6.4 Reference to other sections

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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 foodstuffs and beverages. 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. Keep away from sources of ignition.

Recommended storage temperature

Value 0 - 35 °C

Requirements for storage rooms and vessels

Store product in closed containers.

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

Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	Kaolin	1332-58-7	310-194-1
List of approved workplace exposure limits (WELs) / EH40			
	Kaolin		
	respirable dust		
	WEL long-term (8-hr TWA reference period)	2	mg/m ³

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.

Respiratory filter (part): FFP

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.

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Appropriate Material	nitrile rubber		
Material thickness	>	0.11	
Breakthrough time		480	min

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

Form/Colour

Powder

orange

Odour

malty

Odour threshold

No data available

pH value

Value

6

Concentration

10

g/l

Method

CIPAC MT 75.2

Source

Manufacturer

Boiling point / boiling range

No data available

Melting point / melting range

No data available

Decomposition point / decomposition range

No data available

Flash point

No data available

Auto-ignition temperature

Value

220

°C

Method

EC A.16

Source

Manufacturer

Oxidising properties

No data available

Explosive properties

Product is not explosive, but the formation of explosive dust air mixtures are possible

Flammability (solid, gas)

No data available

Lower flammability or explosive limits

No data available

Upper flammability or explosive limits

No data available

Vapour pressure

No data available

Vapour density

No data available

Evaporation rate

No data available

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No data available

Density

Value	426	g/l
Reference temperature	20	°C
Method	CIPAC MT 169	
Source	Manufacturer	

Solubility in water

Source	Manufacturer
Comments	insoluble

Solubility(ies)

No data available

Partition coefficient: n-octanol/water

No	Substance name	CAS no.	EC no.
1	2-amino-3-chloro-1,4-naphthoquinone	2797-51-5	220-529-2
log Pow		1.58	
Reference temperature		30	°C
with reference to	pH 11,30		
Source	Manufacturer		

Viscosity

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).

10.3 Possibility of hazardous reactions

As the product is supplied, it is not capable of dust explosion; however enrichment with fine dust causes risk of dust explosion.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

Combustion or thermal decomposition may generate toxic vapours.

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

No	Product Name
1	MOGETON
LD50	> 5000 mg/kg
Species	rat
Method	OECD 401
Source	Manufacturer

Acute dermal toxicity

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No	Product Name
1	MOGETON
LD50	> 2000 mg/kg
Species	rabbit
Method	OECD 402
Source	Manufacturer

Acute inhalational toxicity	
No	Product Name
1	MOGETON
LC50	1.73 mg/l
State of aggregation	Dust/mist
Species	rat
Method	OECD 403
Source	Manufacturer

Skin corrosion/irritation	
No	Product Name
1	MOGETON
Source	Manufacturer
Evaluation	non-irritant
Evaluation/classification	Based on available data, the classification criteria are not met.

Serious eye damage/irritation	
No	Product Name
1	MOGETON
Source	Manufacturer
Evaluation	irritant
Evaluation/classification	Based on available data, the classification criteria are met.

Respiratory or skin sensitisation	
No	Product Name
1	MOGETON
Route of exposure	Skin
Method	OECD 406
Source	Manufacturer
Evaluation	sensitizing

Germ cell mutagenicity	
No data available	

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	2-amino-3-chloro-1,4-naphthoquinone	2797-51-5	220-529-2
Source	Manufacturer		
Evaluation/classification	Based on available data, the classification criteria are met.		

Carcinogenicity	
No data available	

STOT - single exposure	
No data available	

STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
1	2-amino-3-chloro-1,4-naphthoquinone	2797-51-5	220-529-2
Source	Manufacturer		
Evaluation/classification	Based on available data, the classification criteria are met.		

Aspiration hazard	
No data available	

SECTION 12: Ecological information

12.1 Toxicity

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Toxicity to fish (acute)			
No	Product Name		
1	MOGETON		
LC50		0.79	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	Manufacturer		

Toxicity to fish (chronic)			
No data available			

Toxicity to Daphnia (acute)			
No	Product Name		
1	MOGETON		
EC50		3.7	mg/l
Duration of exposure		48	h
Method	OECD 202		
Source	Manufacturer		

Toxicity to Daphnia (chronic)			
No data available			

Toxicity to algae (acute)			
No	Product Name		
1	MOGETON		
ErC50		0.054	mg/l
Duration of exposure		72	h
Species	Scenedesmus subspicatus		
Source	Manufacturer		
EbC50		0.086	mg/l
Duration of exposure		72	h
Species	Scenedesmus subspicatus		
Method	OECD 201		
Source	Manufacturer		

Toxicity to algae (chronic)			
No data available			

Bacteria toxicity			
No data available			

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	2-amino-3-chloro-1,4-naphthoquinone	2797-51-5	220-529-2
Source	Manufacturer		
Evaluation	not readily biodegradable		

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water			
No	Substance name	CAS no.	EC no.
1	2-amino-3-chloro-1,4-naphthoquinone	2797-51-5	220-529-2
log Pow		1.58	
Reference temperature		30	°C
with reference to	pH 11,30		
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.

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vPvB assessment

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

12.6 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

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	M7
Packing group	III
Hazard identification no.	90
UN number	UN3077
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Technical name	2-amino-3-chloro-1,4-naphthoquinone
Tunnel restriction code	-
Label	9
Environmentally hazardous substance mark	Symbol "fish and tree"

14.2 Transport IMDG

Class	9
Packing group	III
UN number	UN3077
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Technical name	2-amino-3-chloro-1,4-naphthoquinone
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	UN3077
Proper shipping name	Environmentally hazardous substance, solid, n.o.s.
Technical name	2-amino-3-chloro-1,4-naphthoquinone
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

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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

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances requiring authorisation as listed on 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 subject to Part I of Annex I, risk category:

E1

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)

H302	Harmful if swallowed.
H371	May cause damage to organs.
H400	Very toxic to aquatic life.

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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