

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

Product form : Mixture  
Product name : MOGETON  
Product code : AK 007 C1430  
Type of formulation : Wettable powder (WP)  
Active Ingredient : Quinoclamine

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**2.1. Relevant identified uses**

Main use category : Plant protection product for professional use. Agriculture.  
Use of the substance/mixture : Herbicide.

**1.2.2. Uses advised against**

No additional information available.

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

Supplier:

Agro-Kanesho Co., LTD  
7F Akasaka Shasta-east,  
2-19, Akasaka 4-chome,  
Minato-ku, Tokyo, Japan,  
107-0052

Distributor:

CERTIS UK  
  
Suite 5, 3 Riverside  
Granta Park  
Great Abington  
Cambridgeshire CB21 6AD  
United Kingdom  
Tel: +44 (0)845 373 0305  
Fax: +44 (0)1223 891210  
Email: [certis@certiseurope.co.uk](mailto:certis@certiseurope.co.uk)  
Website: [www.certiseurope.co.uk](http://www.certiseurope.co.uk)

**1.4. Emergency telephone number**

Emergency number : Certis Carechem24 multilingual 24 hours emergency number: +44 (0) 870 190 6777.  
For further advice for medical professionals:  
The National Poisons Information Service: +44 (0) 870 600 6266.  
For further advice for veterinary surgeons: +44 (0) 20 7635 9195  
**Dublin** - National Poisons Information Centre, Beaumont Hospital, Dublin 9:  
Available from 8 am to 10 pm - 7 days: +353 (01) 809 2166  
Available 24hrs: +353 (01) 809 2566

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Eye Irrit. 2	H319
Skin Sens. 1	H317
Repr. 2	H361
STOT SE 3	H335
STOT RE 2	H373
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

Full text of H-phrases: see section 16

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP)

: Warning

Hazard statements (CLP)

: 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.

Precautionary statements (CLP)

: P201 - Obtain special instructions before use.  
P260 - Do not breathe dust.  
P263 - Avoid contact during pregnancy/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 suitable disposal site in accordance with local and national regulations.

EUH phrases

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

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product identifier	% (w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Quinoclamine	(CAS No) 2797-51-5 (EC no) 220-529-2	25 - 30	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Sens. 1, H317 Repr. 2, H361 STOT SE 2, H371 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Quartz (SiO <sub>2</sub> )	(CAS No) 14808-60-7 (EC no): 238-878-4	25 - 30	Not classified.
Kaolin substance with a Community workplace exposure limit	(CAS No) 1332-58-7 (EC no) 310-194-1	10 - 20	Not classified.
Silica amorphous substance with a Community workplace exposure limit	(CAS No) 7631-86-9 (EC no) 231-545-4	1-2	Not classified.

Full text of H-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: In the event of any complaints or symptoms, avoid further exposure.
First-aid measures after inhalation	: IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist call a doctor.
First-aid measures after skin contact	: IF ON SKIN: Wash with plenty of soap and water. Remove contaminated clothing and shoes.  If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist.
First-aid measures after ingestion	: IF SWALLOWED: Immediately call a POISON CENTER or doctor. Never give anything by mouth to an unconscious person.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : No information available.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Water spray  Dry chemical powder  Alcohol resistant foam  Carbon dioxide (CO <sub>2</sub> ).
Unsuitable extinguishing media	: Jet of water.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Combustion or thermal decomposition may generate: Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NO<sub>x</sub>), Hydrogen chloride (HCl).  
Under certain fire conditions, traces of other toxic gases cannot be excluded.

#### 5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire.  
Fight fire from safe distance and protected location.  
Do not breathe fumes  
Cool closed containers exposed to fire with water spray  
If possible, take the containers out of dangerous zone.  
Contain fire-fighting water with dikes or absorbents to prevent migration and entry into sewers or streams.

Protection during firefighting : Wear suitable protective clothing, gloves, eye/face protection and respiratory protection  
Wear a self-contained breathing apparatus.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection.

Emergency procedures : Evacuate area.  
Ensure adequate ventilation.  
Avoid direct contact with the substance.  
Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters.  
Notify the authorities if product enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clean up any spills as soon as possible.  
Collect spilled material with shovels, buckets and place in closed containers and label properly.  
Remove as chemical waste, according to national or local legislation.  
In the event of major spillage: contact an expert.

#### 6.4. Reference to other sections

Reference to other sections  
(7, 8, 13).

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Read label before use
- Wear suitable protective clothing, gloves and eye/face protection.
- Avoid dust formation.
- Do not discharge into drains or the environment.
- Keep ignition sources away. Do not smoke. Product is not explosive, but the formation of explosive dust air mixtures are possible.
- Hygiene measures : Always wash your hands immediately after handling this product, and once again before leaving the workplace
- Contaminated work clothing should not be allowed out of the workplace
- Do no eat, drink or smoke when using this product.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Prevent unauthorised access.
- Keep locked up and out of the reach of children.
- Keep in original containers, tightly closed.
- Keep away from food, drink and animal feedingstuffs.
- Protect against frost.
- Keep away from heat and direct sunlight.
- Store in a dry place
- Storage temperature : 0 °C - 35 °C
- Storage class : 13 (TRGS 510): Non-combustible solids.

### 7.3. Specific end use(s)

Hericide for agricultural use. Refer to the label.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace	
Kaolin (1332-58-7)	WEL: Long-term value: 2 mg/m <sup>3</sup>
Silica, amorphous (7631-86-9)	Long-term value: 6* 2.4 ** mg/m <sup>3</sup> *inhalable aerosol ** respirable aerosol

### 8.2. Exposure controls

- Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Hand protection	: Wear impervious gloves resistant to chemical. Nitrile, recommended thickness of the material: = 0.11 mm The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. Penetration time 480 minutes (Permeation according to EN 374 Part 3: Level 6) e.g. for Dermatril®. The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye protection	: Safety goggles or a face shield.
Skin and body protection	: Protective clothing with long sleeves waterproof and resistant to chemicals. Rubber boots.
Respiratory protection	: Wear appropriate respirator for dust / organic vapors. Respiratory single serving mask DIN EN 149 with filter FFP or respiratory protective device DIN 58 646-HM with filter P2 DIN EN 143 (colour: white)
Hygiene measures	: Do not eat, drink or smoke while handling the product. Clean gloves with soap and water before removing. Wash hands and face with soap and water before eating, drinking or smoking. Clean equipment, premises and work clothes regularly. Work clothing should remain on the work area and stored separately from street clothes.
Environmental exposure controls	: Discharge into the environment must be avoided. Do not contaminate surface and groundwater.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Colour	: Deep orange.
Odour	: Malty.
pH	: 6 (CIPAC MT 75.2)
Flash point	: Not applicable.
Auto-ignition temperature	: 220 °C (EEC A.16)
Density	: 426 g/l (CIPAC MT 169)
Solubility	: Insoluble in water.
Explosive properties	: It is not explosive.

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is stable at normal handling and storage conditions.

### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

### 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

Keep away from heat and sources of ignition.

Formation of dust.

### 10.5. Incompatible materials

No additional information available

**10.6. Hazardous decomposition products**

Combustion or thermal decomposition may generate toxic vapours.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

Acute toxicity : Not classified

<b>MOGETON</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat	> 1.73 mg/l/4h

<b>Quinoclamine (2797-51-5)</b>	
LD50 oral rat	> 1480 mg/kg
LD50 dermal rat	> 5000 mg/kg
LC50 inhalation rat	> 0.79 mg/l/4h

Skin corrosion/irritation : No irritant to skin.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction) : Quinoclamine: In vivo studies with rats showed increased intrauterine deaths, hydronephrosis and blood vessels abnormalities. EFSA Scientific Report (2007) 117, 1-70, Conclusion on the peer review of quinoclamine Repr. 2.

Specific target organ toxicity (single exposure) : May cause respiratory irritation.

Specific target organ toxicity (repeated exposure) : May cause damage to organs through prolonged or repeated exposure.  
 Quinoclamine: Causes damage to kidneys, spleen and blood through prolonged or repeated oral exposure. Haemosiderin deposition indicated increased haemopoiesis. (EFSA Scientific Report (2007)117, 1-70).

Aspiration hazard : Not classified

Other information : This product is considered to be harmful.

**SECTION 12: Ecological information**

**12.1. Toxicity**

<b>MOGETON</b>	
LC50 Fishes ( <i>Oncorhynchus mykiss</i> )	0.79 mg/l
EC50 Daphnia ( <i>Daphnia magna</i> )	3.7 mg/l
ErC50 Algae ( <i>Scenedesmus subspicatus</i> )	0.054 mg/l

**12.2. Persistence and degradability**

Not readily biodegradable.

**12.3. Bioaccumulative potential**

No additional information available

Quinoclamine: log Pow: 1.58 (pH 11, 30 °C), BCF: not relevant. EFSA Scientific Report (2007) 117, 170.

Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.

**12.4. Mobility in soil**

No further relevant information available.

**12.5. Results of PBT and vPvB assessment**

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

This mixture contains no substance considered to be very persistent and very bioaccumulative (vPvB).

**12.6. Other adverse effects**

Other information : Do not discharge into the drains/ surface water/ groundwater.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.

**SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

**14.1. UN number**

UN-No. : 3077

UN-No.(IATA) : 3077

**14.2. UN proper shipping name**

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Quinoclamine)

Transport document description : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Quinoclamine), 9, III, (E)

**14.3. Transport hazard class(es)**

Class (UN) : 9

Class (IATA) : 9 - Miscellaneous Dangerous Goods

Hazard labels (UN) : 9



**14.4. Packing group**

Packing group (UN) : III

**14.5. Environmental hazards**

Dangerous for the environment :



**14.6. Special precautions for user**

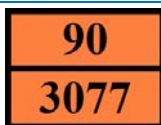
**14.6.1. Overland transport**

Hazard identification number (Kemler No.) : 90

Classification code (UN) : M7



Orange plates :



**14.6.2. Transport by sea**

No additional information available

**14.6.3. Air transport**

No additional information available

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**15.1.1. EU-Regulations**

No REACH Annex XVII restrictions

Contains no REACH candidate substance

**15.1.2. National regulations**

No additional information available

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out

**SECTION 16: Other information**

Full text of H- and EUH-phrases:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Repr. 2	Reproductive toxicity, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
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
H361d	Suspected of damaging the unborn child
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects