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 : Quinclorac

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
Website: 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) :

![GHS07](image)

![GHS08](image)

![GHS09](image)

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

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>% (w/w)</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quinotramine</td>
<td>(CAS No) 2797-51-5 (EC no) 220-529-2</td>
<td>25 - 30</td>
<td>Acute Tox. 4 (Oral), H302&lt;br&gt;Eye Irrit. 2, H319&lt;br&gt;Skin Sens. 1, H317&lt;br&gt;Repr. 2, H361&lt;br&gt;STOT SE 2, H371&lt;br&gt;STOT RE 2, H373&lt;br&gt;Aquatic Acute 1, H400&lt;br&gt;Aquatic Chronic 1, H410</td>
</tr>
<tr>
<td>Quartz (SiO₂)</td>
<td>(CAS No) 14808-80-7 (EC no) 238-878-4</td>
<td>25 - 30</td>
<td>Not classified.</td>
</tr>
<tr>
<td>Kaolin substance with a Community workplace exposure limit</td>
<td>(CAS No) 1332-58-7 (EC no) 310-194-1</td>
<td>10 - 20</td>
<td>Not classified.</td>
</tr>
<tr>
<td>Silica amorphous substance with a Community workplace exposure limit</td>
<td>(CAS No) 7631-86-9 (EC no) 231-545-4</td>
<td>1-2</td>
<td>Not classified.</td>
</tr>
</tbody>
</table>

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<br>Dry chemical powder<br>Alcohol resistant foam<br>Carbon dioxide (CO₂).

**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 (CO2), Nitrogen oxides (NOx), 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 not 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

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>WEL: Long-term value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kaolin (1332-58-7)</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>Silica, amorphous (7631-86-9)</td>
<td>6* 2.4 ** mg/m³</td>
</tr>
<tr>
<td></td>
<td>*inhalable aerosol</td>
</tr>
<tr>
<td></td>
<td>** respirable aerosol</td>
</tr>
</tbody>
</table>

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.
\( \text{pH} \) : 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

<table>
<thead>
<tr>
<th>MOGETON</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>LC50 inhalation rat</td>
<td>&gt; 1.73 mg/l/4h</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Quinoclamine (2797-51-5)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 1480 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>LC50 inhalation rat</td>
<td>&gt; 0.79 mg/l/4h</td>
</tr>
</tbody>
</table>

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.


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

<table>
<thead>
<tr>
<th>MOGETON</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 Fishes (Oncorhynchus mykiss)</td>
<td>0.79 mg/l</td>
</tr>
<tr>
<td>EC50 Daphnia (Daphnia magna)</td>
<td>3.7 mg/l</td>
</tr>
<tr>
<td>ErC50 Algae (Scenedesmus subspicatus)</td>
<td>0.054 mg/l</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

Not readily biodegradable.
12.3. **Bioaccumulative potential**

No additional information available


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: 90 3077

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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H361</td>
<td>Suspected of damaging fertility or the unborn child</td>
</tr>
<tr>
<td>H361d</td>
<td>Suspected of damaging the unborn child</td>
</tr>
<tr>
<td>H373</td>
<td>May cause damage to organs through prolonged or repeated exposure</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>Aquatic Acute 1</td>
<td>Hazardous to the aquatic environment — Acute Hazard, Category 1</td>
</tr>
<tr>
<td>Aquatic Chronic 1</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 1</td>
</tr>
<tr>
<td>Eye Irrit. 2</td>
<td>Serious eye damage/eye irritation, Category 2</td>
</tr>
<tr>
<td>Repr. 2</td>
<td>Reproductive toxicity, Category 2</td>
</tr>
<tr>
<td>Repr. 2</td>
<td>Reproductive toxicity, Category 2</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>Sensitisation — Skin, category 1</td>
</tr>
<tr>
<td>STOT RE 2</td>
<td>Specific target organ toxicity — Repeated exposure, Category 2</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation</td>
</tr>
</tbody>
</table>