SAFETY DATA SHEET: FARGRO CHLORMEQUAT.

1 IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND COMPANY:
PRODUCT: FARGRO CHLORMEQUAT (MAFF No: 02600)
A plant growth regulator for use on certain flower crops. An aqueous solution containing Chlormequat chloride
Fargro Ltd., Toddington Lane, Littlehampton, West Sussex BN17 7PP
Telephone 01903 721591 Fax 01903 730737
Out of hours emergency telephone number (Fargro Chlormequat): 0208 319 7222

2 COMPOSITION /INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Substance</th>
<th>Concentration</th>
<th>Cas. No.</th>
<th>Symbol</th>
<th>Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chlormequat chloride</td>
<td>460 g/l</td>
<td>999-81-5</td>
<td>Xn</td>
<td>R 21/22</td>
</tr>
</tbody>
</table>

3 HAZARDS IDENTIFICATION:
Harmful if swallowed.
Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.

4 FIRST AID MEASURES:
Inhalation: Remove patient to fresh air until recovered. Administer oxygen or artificial respiration if patient has difficulty breathing. Seek medical attention.
Eye contact: Irrigate eye with fresh water for at least 15 minutes. Seek medical attention if there are persistent problems.
Advice for medical practitioner: Treat symptomatically.

5 FIRE FIGHTING MEASURES:
Suitable extinguishing media: Water – take measures to avoid water entering drains or water courses. Carbon dioxide. Alcohol resistant foam. Dry powder.
Unsuitable extinguishing media: High volume water jet.

5 SPECIAL EXPOSURE HAZARDS:
Dangerous toxic fumes may be given off (NOx, HCl, Cl2, CO).
Protective equipment: Protective clothing and breathing apparatus.

6 ACCIDENTAL RELEASE MEASURES:
Personal precautions: Avoid contact with skin. Wear personal protective equipment. (see section 8).
Environmental precautions: Do not allow to enter into drains or water courses. Advise relevant authorities in case of contamination of public waters.
Methods for cleaning: Contain spill and absorb with sand or proprietary absorbent (vermiculite). Collect contaminated material in heavy-duty plastic bags or drums. Dispose of through a reputable waste disposal contractor. In the event of spillages inform the local water services company and the Environment Agency or other relevant authorities immediately.

7 HANDLING AND STORAGE:
Handling: Good industrial practice in housekeeping personal hygiene should be followed. Wear personal protective clothing. Handle in well ventilated areas. Avoid inhaling fumes or spray mist. Wash hands immediately after use.
Storage: Store only in original container in cool well ventilated areas away from food, drink, and animal feeding stuffs. Keep out of reach of children. Store in a suitable pesticide store. Protect from frost.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION:
From product label: (precautions marked * are a legal requirement)
Operator protection
*Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment.
*WEAR SUITABLE PROTECTIVE GLOVES when handling the concentrate.
*However, engineering controls of operator exposure may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.
WASH ANY CONCENTRATE from skin or eyes immediately.
AVOID ALL CONTACT BY MOUTH.
DO NOT BREATHE SPRAY MIST.

WHEN USING DO NOT EAT DRINK OR SMOKE.
WASH HANDS AND EXPOSED SKIN before meals and after work.
IF YOU FEEL UNWELL seek medical advice (show label where possible).

Environmental Protection:
DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container.
KEEP IN ORIGINAL CONTAINER tightly closed in a safe place.

Storage and Disposal:
WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.
*DO NOT RE-USE CONTAINER FOR ANY PURPOSE.
Take measures to prevent: Contact with skin, eyes and clothing. Provide adequate ventilation.

Exposure control limits: No exposure limits have been determined.

Hand protection: Nitrile or rubber gloves

Skin Protection: Protective coveralls ensuring arms and legs covered.

Eye Protection: Goggles or safety glasses

Respiratory Protection: Suitable approved respirator where aerosols or mist likely to be formed.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Light yellow liquid.</td>
</tr>
<tr>
<td>Odour</td>
<td>Amine like.</td>
</tr>
<tr>
<td>pH</td>
<td>5 – 7</td>
</tr>
<tr>
<td>Flash point</td>
<td>Does not flash.</td>
</tr>
<tr>
<td>Flammability</td>
<td>Non flammable.</td>
</tr>
<tr>
<td>Auto flammability</td>
<td>None.</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive.</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not known.</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Approx 100°C (aqueous solution).</td>
</tr>
<tr>
<td>Density</td>
<td>1.085g/ml @ 20°C.</td>
</tr>
<tr>
<td>Solubility</td>
<td>Completely miscible with water.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Approx 20 mPa @ 20°C.</td>
</tr>
<tr>
<td>Evaporative rate</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>&lt;0.01 m Pa @ 20°C.</td>
</tr>
<tr>
<td>Octanol/water co-efficient</td>
<td>logP=-1.59 (pH7, chlormequat chloride).</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY:

Conditions to avoid: Stable under normal conditions. Thermal decomposition above 240°C.

Materials to avoid: Avoid contact with aluminium and its alloys.

Decomposition products: Thermal decomposition products include NOx, HCl, Cl2, and CO.

11. TOXICOLOGICAL INFORMATION:

Toxicity: LD50 Oral, rat ~1000 mg/kg. LD50 Dermal, rat >2000 mg/kg.

LC50 Inhalation (4hr) rat >1.161mg/l.

Irritation: Not irritating to skin. Not irritating to eyes. Sensitisation: Not sensitising to skin.

12. ECOLOGICAL INFORMATION:

Biological degradability: Readily biodegradable according to the appropriate OECD test.

DT50, soil 8-10 days. Information applies to chlormequat chloride. No bioaccumulation.

Ecotoxicity: Fish – LC50 (96hr) rainbow trout: >~970mg/l. Daphnia – EC50 (48hr)>31.7mg/l.

Algae – EC50(96hr) ~1000mg/l. LD50 bobwhite quail 990mg/kg. Not toxic to bees.

13. DISPOSAL CONSIDERATIONS:

This material is classified as hazardous waste. For more information consult the MAFF/HSE Pesticide Code of Practice for the Safe Use of Pesticides on Farms and Holdings.

14. TRANSPORT INFORMATION

Special Transport Precautions: Corrosive

Road Classification (ADR/RID) and Maritime Classification (IMDG) and Air Classification (ICAO/IATA): UN:1760 Corrosive liquid, N.O.S. (chlormequat chloride 46%) Class: 8 Packing Group III.

15. REGULATORY INFORMATION:

The (COSHH)Control of Substances Hazardous to Health Regulations may apply to the use of this product at work. Classification to 1999/45/EC.

Hazard symbol: Xn Harmful.

Risk Phrases: R22 Harmful if swallowed.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases: S2: Keep out of reach of children.

S7: Keep containers tightly closed.

S13: Keep away from food, drink and animal feedingstuffs.

S20/21: When using do not eat, drink or smoke.

S36/37: Wear suitable protective clothing and eye/face protection.

S46: If swallowed, seek medical advice. Immediately and show this container or label.

S61: Avoid release to the environment; refer to Special instructions/Safety data sheet.

16. FURTHER INFORMATION

The information on this sheet is not a specification, it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon knowledge of the handling, storage and use of this product. No liability is accepted for any insufficiency or omission in any case whatsoever. Pack Size: 1 litre. Outer of 12.

Changes since the last edition (January 2003 Version 1.6) are throughout.

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