

Safety Data Sheet

ULTRAMOC XTRA - Reg. No: L 8878 (Act No 36 of 1947) N-AR 1692

Date of issue: 30/07/2012

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1) PRODUCT AND COMPANY IDENTIFICATION	
Product name:	ULTRAMOC XTRA EC
UN No:	3082
Distributed by:	MERIDIAN AGRITECH P O BOX 436 MODDERFONTEIN TEL 011 8228509 FAX 0866901386 MOBILE: 0834006056 www.agritech.co.za
Emergency Number:	POISON CENTRE (UNITAS HOSPITAL) 012 664 1100 TYGERBERG:021 931 6129 RED CROSS: 021 689 5227 RAPID SPILL RESPONSE 0800 775 3305 GRIFFON POISON CENTRE: 082 446 8946.
Chemical Name:	2-chloro-6'-ethyl-N-(2-methoxy-1-methylethyl)aceto- toluidide
2) Hazards Identification:	
Health effects: eyes:	May cause irritation.
Health effects: skin:	May cause irritation and sensitization.
Health effects: ingestion	Harmful if swallowed.
Health effects: inhalation	May cause irritation and may be harmful.
3) Composition Details:	
COMPOSITION	METOLACHLOR
	915 g/l
4) First Aid Measures:	
Inhalation:	Remove patient to fresh air. Lie down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.
Skin contact:	Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. Do not rub skin. Seek medical assistance if necessary.
Eye contact:	Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance if irritation persists.
Ingestion	Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre. Seek medical assistance immediately, only medical personnel should perform gastric lavage or administer oxygen.
Advice to physician:	Treat symptomatically. Administer medicinal charcoal in large quantities of water. Perform gastric lavage and catharsis if the victim is not unconscious. If less than 10 mg per kg body weight was ingested, administer 30 – 60 g activated charcoal in 150 – 300 ml water.

	Epinephrine, atropine and expectorants are not generally helpful and may complicate treatment. Administer charcoal in 4 hrs with sodium sulphate catharsis.
5) Fire-Fighting Measures:	
Flash point: Extinguishing Media: Fire Fighting:	<p>> 70 °C. For small fires, use alcohol-resistant foam, carbon dioxide, dry powder. For large fires, use foam or water-fog; avoid use of water jet.</p> <p>Remove spectators from surrounding area. Isolate the fire area and evacuate downwind. Use a recommended extinguishing agent for the type of surrounding fire. If the area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Water can be used to cool unaffected containers but must be contained for later disposal.</p> <p>Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. Contain fire control agents for later disposal.</p> <p>Avoid inhaling hazardous vapours and fumes from burning materials. Keep upwind. Remove container from fire area if possible and without risk. Dyke fire control water for later disposal. Do not scatter the material. Avoid pollution of waterways.</p> <p>UNUSUAL FIRE OR EXPLOSION HAZARDS: May generate poisonous such as; carbon dioxide, oxides, sulphur or chlorine compounds. Keep upwind.</p>
Protective clothing:	Full protective clothing and self-contained breathing apparatus
6) Accidental Release Measures:	
Personal precautions: Occupational spill:	<p>Avoid contact with skin and eyes. Do not breathe in spray or fumes. For personal protection see Section 8.</p> <p>Wear protective clothing. Clear area of unprotected personnel. Contain and absorb liquid spills with inert material and place in waste containers. If spill does enter waterways contact the local authority. Do not get water inside container. Collect in an appropriate sealable container for disposal in an approved landfill. Wash area with water and detergent and absorb with further inert material. Contaminated area and tools should be washed down with appropriate solutions. Dispose of waste safely in an approved landfill (open burning or dumping is prohibited).</p>
7) Handling & Storage:	
Handling: Storage:	<p>Avoid skin and eye contact and inhalation of spray mist. Harmful if ingested. Ensure adequate ventilation. APPROVED HANDLER: This product must be under the control of an approved handler when applied in a wide dispersive manner; or used by a commercial contractor. BEWARE: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants. Wash hands before eating, drinking, smoking, or going on breaks.</p> <p>Store in original container tightly closed and in a locked, dry, cool area away from sunlight, foodstuffs, fertilisers and seeds. Keep out of reach of children.</p>
8) Exposure Control / Personal Protection:	

<p>It is essential to provide adequate ventilation. The measures appropriate for a particular work site depend on how this material is used and on the extent of exposure. Ensure that control systems are properly designed and maintained. Comply with occupational safety, environmental, fire, and other applicable regulations.</p> <p>PERSONAL PROTECTIVE EQUIPMENT:</p> <p>Clothing:</p> <p>Gloves:</p> <p>Eye protection:</p> <p>Emergency eye wash:</p>	<p>Employee must wear appropriate protective (impervious) clothing and equipment, full face respirator, to prevent repeated or prolonged skin contact with this substance.</p> <p>Employee must wear appropriate chemical-resistant gloves to prevent contact with this substance</p> <p>The use of safety goggles or face shield is recommended.</p> <p>Where there is any possibility that an employee's eyes may be exposed to this substance, the employer should provide an eye wash fountain or appropriate alternative within the immediate work area for emergency use.</p>
<p>9) Physical & Chemical Properties:</p>	
<p>Form:</p>	<p>Liquid</p>
<p>Colour:</p>	<p>Brown.</p>
<p>Odour:</p>	<p>Characteristic.</p>
<p>Solubility:</p>	<p>Water dispersible</p>
<p>pH:</p>	<p>7.2</p>
<p>10) Stability & Reactivity:</p>	
<p>Stability:</p> <p>Hazardous decomposition product(s):</p>	<p>When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture. Normally stable. Active may degrade in strong UV light or extreme temperatures. Strong oxidising agents must be avoided.</p> <p>Oxides of nitrogen and chlorine. Burning with limited oxygen may produce carbon monoxide.</p>
<p>11) Toxicological Information:</p>	
<p>Inhalation 4 h LD50 : > 1,7 mg/l , rat. Dermal LD50 : > 3,000 mg/kg , rat. Oral LD50 : > 2,000 mg/kg , rat.</p> <p>Skin irritation : Mild skin irritation, rabbit Eye irritation : Mild irritaton, rabbit. Sensitisation : May cause sensitization by skin contact, guinea pig.</p>	
<p>12) Ecological Information:</p>	
<p>Birds : Oral LD50 Bobwhite quail 2258 mg/kg. Dietary LC50(8d) Bobwhite quail & Mallard ducklings >10 000 mg/kg diet. Fish : LC50(96h) Rainbow trout 3.9 mg/l ; Carp 4.9 mg/l Daphnia: LC50(48h) Daphnia magna 25 mg/l Algae : EC50 <i>Scenedesmus subspicatus</i> 0.1 mg/l Bees : Not toxic to bees; LD50 >110 µg/bee. Worms : LC50(14d) Earthworms 140 mg/kg soil.</p> <p>Persistence : Does not bioaccumulate. Soil half-life DT50 aprox. 20 days (field), K_{oc} 121–309.</p>	
<p>13) Disposal Considerations:</p>	
<p>Waste Disposal : Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.</p> <p>Container Disposal : Refer to the product label for instructions. Container Refilling and Disposal: If the container is to be refilled, do not rinse with any material or introduce any pesticide other than this product. DO NO REUSE THE CONTAINER FOR ANY OTHER PURPOSE.</p>	
<p>14) Transportation Information:</p>	

UN NUMBER: 3082

Road transport ADR/ RID

Class: 9

Packing group: III

Exempt quantity: 1000 kg Factor *F*: 1

Shipping name: Environmentally hazardous substance, liquid, N.O.S.(metolachlor)

Air Transport ICAO/IATA:

Class: 9

Packing group: III

Shipping name: Environmentally hazardous substance, liquid, N.O.S.(metolachlor)

Maritime Transport IMDG/IMO:

Class: 9

Packing group: III

Shipping name: Environmentally hazardous substance, liquid, N.O.S.(metolachlor)

MARINE POLLUTANT

15) Regulatory Information:

Risk Phrases:

Symbol: F, N.

Indication of danger: Flammable and environmentally dangerous substance.

Risk phrases:

R 11 Highly flammable.

R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R 36/38 Irritation to eyes and skin.

R 43 May cause skin sensitisation by skin contact.

R 50 Very toxic to aquatic organisms.

Safety phrases:

S 1/2 Keep under lock and key and out of reach of children.

S 23 Do not breath fumes/vapour/spray.

S 24/25 Avoid contact with skin and eyes.

S 28 After contact with skin, wash immediately with plenty of water.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S 61 Avoid release to the environment. Refer to special instructions / Safety data sheets.

S 62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

16. Other Information

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear.

It is the responsibility of persons in receipt of this SDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with this product. If the recipient subsequently produces formulation(s) containing this product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from this SDS to their own SDS.

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