

Safety Data Sheet

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

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1) IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER.	
Product name:	ULTRAMOC XTRA EC
Other means of identification:	Metolachlor 915 g/L
UN number:	3082
Recommended use:	Herbicide
Restrictions on use:	For use as an agricultural remedy only.
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 WESTERN CAPE POISONS TELEPHONE SERVICE 0861 555 777 RAPID SPILL RESPONSE: 0800 775 3305 GRIFFON POISON CENTRE: 082 446 8946
Chemical Name:	Metolachlor: 2-chloro- <i>N</i> -(2-ethyl-6- methylphenyl)- <i>N</i> -(2methoxy-1- methylethyl)acetamide Dichlormid: 2,2-dichloro- <i>N,N</i> -dipropenylacetamid
2) CLASSIFICATION OF THE SUBSTANCE / MIXTURE:	
Classification of the product:	Classification according to Regulation EC 1272/2008 (CLP) Aquatic Acute Cat: 1 (H400) Aquatic Chronic Cat: 1 (H410) For full text of symbols, R phrases and H statements refer to section 15.
Label elements:	Hazard Symbol(S)  Signal Word: WARNING Hazard Statement (S) H227: Combustible liquid H317: May cause an allergic skin reaction. H410: Very toxic to aquatic life with long lasting effects. Precautionary Statement(S) P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P272: Contaminated work clothing should not be allowed

	out of the workplace. P273: Avoid release to the environment. P280: Wear protective gloves. P302+P352: IF ON SKIN: Wash with plenty of water. P362+P364: Take off contaminated clothing and wash it before reuse. P333+P313: If skin irritation or rash occurs: Get medical advice/attention. P321: Specific treatment (see on this label). P391: Collect spillage. P501: Dispose of contents/container in accordance with local/regional/national regulations.				
Health effects: eyes:	May cause irritation to eyes				
Health effects: skin:	May cause irritation to skin. Contact skin sensitizer.				
Health effects: ingestion	Harmful if swallowed				
Health effects: inhalation	Unlikely to cause harmful effects under normal conditions and use				
Health effects: Other	No data available				
3) COMPOSITION / INFORMATION ON INGREDIENTS:					
Mixture:					
Chemical name	Composition %	CAS No.	EC No.	Classification according to Regulation EC 1272/2008 (CLP)	Classification according to 67/548/EEC
Metolachlor	91.5%	947601-85-6	-	Aquatic Acute Cat: 1 (H400) Aquatic Chronic Cat: 1 (H410) Skin Sens. 1: H317	Xi: Irritant
Inert	Up to 100%				
Full text of R- and S-phrases: see section 15.					
4) FIRST AID MEASURES:					
Eye contact:	Flush eyes with plenty of clean water for at least 15 minutes holding eyelids open if necessary. Seek medical assistance immediately. Use safety goggles.				
Skin contact:	Thoroughly wash body with large amounts of water and soap. Remove contaminated clothing and footwear. Wash affected areas with soap and water. Persons providing first aid must wear gloves to avoid self-contamination. Seek medical assistance should irritation persist. Wash contaminated clothing before re-use.				
Ingestion:	Never give anything by mouth to an unconscious person. If swallowed. For advice, contact the National Poisons Centre. Seek medical assistance immediately and show this data sheet.				
Inhalation:	Remove patient to well ventilated area and loosen clothing around the neck. Lie down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation.				
Most important symptoms and effects, acute and delayed:	Symptoms of ingestion: Diarrhoea, shortness of breath, vomiting and weakness.				
Indication of immediate medical attention and special	Administer medicinal charcoal in large quantities of water.				

treatment needed: Advice to physician	<p>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.</p> <p>Epinephrine, atropine and expectorants are not generally helpful and may complicate treatment.</p> <p>Symptomatic treatment and supportive therapy as indicated.</p>
5) FIRE-FIGHTING MEASURES:	
<p>Suitable extinguishing media:</p> <p>Unsuitable extinguishing media:</p> <p>Special hazards arising from the substance or mixture:</p>	<p>For small fires, use foam, carbon dioxide, dry powder or halon extinguishant. For large fires, use foam or water-fog.</p> <p>Avoid the use of a water jet.</p> <p>Generates poisonous and Corrosive fumes.</p>
<p>Fire-fighting:</p> <p>Protective clothing:</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. 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. Keep upwind. Remove containers if possible and without risk. Water can be used to cool unaffected containers but must be contained for later disposal. Do not scatter the material and avoid polluting waterways. Avoid the accumulation of polluted run-off from the site.</p> <p>Small fires: If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers/tanks with spray water.</p> <p>Full protective clothing and self-contained breathing apparatus</p>
6) Accidental Release Measures:	
<p>Personal precautions:</p> <p>Environmental precautions:</p> <p>Cleaning procedure:</p> <p>Disposal:</p>	<p>Wear protective clothing according to operator safety during removal of spillage. Wear eye protection, chemically resistant gloves, boots and coveralls.</p> <p>Do not contaminate waterways, drains and groundwater. If contamination of waterways, drains, rivers or lakes is unavoidable, warn the local authorities (Police and Department of Water/Environmental affairs) immediately.</p> <p>Wear protective clothing. Clear area of unprotected personnel. Soak up with absorptive material such as sand, soil, diatomaceous earth, etc. Prevent product from spreading and collect into specially marked, tightly closing containers. Treat contaminated areas with water containing soda or detergent. Collect washings to avoid any contamination of surface and ground water, water supplies and drains. Heavily contaminated soil layers should be removed and disposed of in an approved way.</p> <p>Waste Disposal: In accordance with local and national regulations. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. 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. If the container is to be refilled, do not rinse with any</p>

Evaporation rate: Flammability (solid, gas) Upper/ lower flammability or explosive limits: Vapour pressure: Vapour density: Relative density: Solubility(ies) Partition coefficient: n-octanol/water Auto-ignition temperature: Viscosity:	No data available Combustible No data available No data available No data available No data available Emulsifies in water No data available No data available No data available
10) STABILITY & REACTIVITY:	
Reactivity: Chemical stability: Hazardous decomposition product(s): Conditions to avoid: Incompatible materials:	Not available. When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture. Thermally and chemically stable. None under normal conditions. Fire may produce irritating or poisonous vapours, mists or other products of combustion No data available. No data available.
11) TOXICOLOGICAL INFORMATION:	
Acute: Oral LD50 female rats 1063, male rats 1936 mg/kg. Dermal LD50 > 5 050 mg/kg, rat Inhalation LC50 (4h): >2.02 mg/L air, rat Skin irritation : Mild irritant Eye irritation : Mild irritant. Sensitisation : May cause sensitization on laboratory animals (guinea pigs). Mutagenicity : No data available Carcinogenicity : No data available Reproductive toxicity : No data available Teratogenicity : No data available Repeated dose toxicity: No data available	
12) ECOLOGICAL INFORMATION:	
Information below based on active ingredient: Bees: LD50 (oral and contact) >110 µg/bee. Birds: Acute oral LD ₅₀ for mallard ducks and bobwhite quail >2150 mg/kg. Dietary LC ₅₀ (8 d) for bobwhite quail and mallard ducks >10 000 mg/kg. Fish : LC ₅₀ (96 h) for rainbow trout 3.9, carp 4.9, bluegill sunfish 10 mg/l. Algae : EC ₅₀ for <i>Scenedesmus subspicatus</i> 0.1 mg/l. Worms: LC ₅₀ (14 d) for earthworms 140 mg/kg soil. Other aquatic species: Daphnia: LC ₅₀ (48 h) 25 mg/l	

Persistence

Rapidly oxidised by rat liver microsomal oxygenases via dechlorination, O-demethylation and sidechain oxidation (*J. Agric. Food Chem.*, 1989, 37, 1088). **Plants** In plants, metabolism involves natural product conjugation of the chloroacetyl group, and hydrolysis and sugar conjugation at the ether group. Final metabolites are polar, water-soluble, and non-volatile. **Soil/Environment** Major aerobic metabolites are derivatives of oxanilic and sulfonic acids. DT₅₀ in soil c. 20 d (field). K_{oc} 121–309.

Biodegradation: No data available.

Bio accumulative potential: No data available.

Bioconcentration factor: No data available.

Mobility in soil: No data available.

Results of PBT and vPvB assessment: No data available.

Other adverse effects: No data available.

13) DISPOSAL CONSIDERATIONS:

Waste Disposal: In accordance with local and national regulations. Spilled product cannot be re-used and must be disposed of by incineration or disposal in a chemical waste disposal facility. If containers cannot be recycled, they should be disposed of together with the waste chemical. 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.

Container Disposal: Refer to the product label for instructions.

If containers cannot be recycled, they should be disposed of together with the waste chemical

DO NO REUSE THE CONTAINER FOR ANY OTHER PURPOSE.

Do not transport if this container is damaged or leaking.

14) TRANSPORTATION INFORMATION:

UN NUMBER: 3082

Road Transport ADR/ RID:

Class: 9

Packaging group: III

Labelling no: 9

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, Liquid, N.O.S. (Metolachlor, Dichlormid)

Environmental hazards:

Special precautions for user:

Maritime Transport IMDG / IMO:

Class: 9

Packaging group: III

Labelling no: 9

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, Liquid, N.O.S. (Metolachlor, Dichlormid)

Environmental hazards:

Special precautions for user:

Air Transport ICAO/IATA:

Class: 9

Packing group: III

Labelling no: 9

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, Liquid, N.O.S. (Metolachlor, Dichlormid)

Environmental hazards:

Special precautions for user:

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC code): Not applicable

15) REGULATORY INFORMATION:

Symbols: Xn, N

Indication of Danger: Harmful, Dangerous for the environment

Risk – Phrase:

R43 - May cause sensitization by skin contact.

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety – Phrase:

S 2 - Keep out of the reach of children.

S13 - Keep away from food, drink and animal feeding stuffs.

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

S24 - Avoid contact with skin.

S35 - This material and its container must be disposed of in a safe way.

S36/37 - Wear suitable protective clothing and gloves.

S57 - Use appropriate container to avoid environmental contamination.

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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