


Safety Data Sheet

ACETAK EC - Reg. No: L 6904 (Act No 36 of 1947)

Date of issue: 15/04/2011

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1) IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER.	
Product name:	ACETAK EC
Other means of identification:	Acetochlor 900 g/L EC
UN number:	3082
Recommended use:	Herbicide
Restrictions on use:	None known
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:	2-chloro-N-(ethoxymethyl)-N-(2-ethyl-6-methylphenyl)acetamide (IUPAC)
2) Classification of the substance / mixture:	
Classification of the product:	
Label elements:	 <p>Signal Word: Warning</p> <p>Dangerous for the environment</p>
Health effects: eyes:	May cause moderate irritation.
Health effects: skin:	Mild irritation and may cause sensitization
Health effects: ingestion	May cause irritation and may be harmful.
Health effects: inhalation	Unlikely to cause harmful effects under normal conditions and use. May cause irritation.
Health effects: Other	
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
Acetochlor	90%	34256-82-1	25-899-3	Skin Irrit. 2: H315: Causes skin irritation Skin Sens. 1: H317: May cause an allergic skin reaction. STOT SE 3: H335: May cause respiratory irritation. Aquatic Acute 1: H400: Very toxic to aquatic life Aquatic Chronic 1: H410: Very toxic to aquatic life with long-lasting effects.	Xn N R20 R37/38 R43 R50/53 S2 S36/37 S60 S61
Aromatic hydrocarbon	<50 g/L	64742-95-6	265-199-0		Xn N R10 R37 R51/53 R65 R66 R67

Full text of R- and S-phrases: see section 15.

4) First Aid Measures:

Eye contact:	Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance.
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 should irritation persist.
Ingestion:	Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting. One or two glasses of water may be given. For advice, contact the National Poisons Centre. Seek medical assistance immediately.
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.
Most important symptoms and effects, acute and delayed:	
Indication of immediate medical attention and special treatment needed: Advice to physician	

5) Fire-Fighting Measures:

Suitable extinguishing media:	Fine water spray, foam, carbon dioxide or dry chemical. Do not use high volume water jet, due to contamination risk.
Unsuitable extinguishing media:	No information available
Special hazards arising from the substance or mixture:	

Storage:	Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, fertilisers and seeds. Keep away from children or uninformed persons. Avoid extreme temperatures.
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><u>PERSONAL PROTECTIVE EQUIPMENT:</u></p> <p>Clothing:</p> <p>Gloves:</p> <p>Eye protection:</p> <p>Respiratory protection:</p> <p>Emergency eye wash:</p>	<p>Consult supplier to confirm that the equipment is suitable.</p> <p>Employee must wear appropriate protective (impervious) clothing and equipment 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 with side shields is recommended.</p> <p>Wear respirator if ventilation is inadequate or exposure to high levels are likely</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>
9) Physical & Chemical Properties:	
<p>Form:</p> <p>Colour:</p> <p>Odour:</p> <p>Odour threshold:</p> <p>pH:</p> <p>Melting point / Freezing point</p> <p>Initial boiling point and boiling range</p> <p>Flash point:</p> <p>Evaporation rate:</p> <p>Flammability (solid, gas)</p> <p>Upper/ lower flammability or explosive limits:</p> <p>Vapour pressure:</p> <p>Vapour density:</p> <p>Relative density:</p> <p>Solubility(ies)</p> <p>Partition coefficient: n-octanol/water</p> <p>Auto-ignition temperature:</p> <p>Viscosity:</p>	<p>Liquid</p> <p>Pink</p> <p>Characteristic</p> <p>No data available</p> <p>7</p> <p>No data available</p> <p>No data available</p> <p>>65 °C</p> <p>No data available</p> <p>No data available</p> <p>No data available</p> <p>No data available</p> <p>No data available</p> <p>No data available</p> <p>Miscible in water</p> <p>No data available</p> <p>No data available</p> <p>No data available</p>
10) Stability & Reactivity:	
Reactivity:	Not available.

Chemical stability:	When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture. Thermally and chemically stable.
Hazardous decomposition product(s):	None under normal conditions. Heating can release vapours which can be ignited.
Conditions to avoid:	Avoid extreme temperatures. None known.
Incompatible materials:	Avoid strong basic, acidic or oxidising materials.

11) Toxicological Information:

Acute:

Oral LD50 > 2 000 mg/kg, rat

Dermal LD50 > 4 000 mg/kg, rat

Inhalation LC50 (4h): >3 mg/L, rat

Skin irritation : Slight irritant, rabbit

Eye irritation : Slight irritant, rabbit

Sensitisation : Causes moderate sensitization, guinea pigs.

Other :

12) Ecological Information:

Information below based on active ingredient:

Bees: Contact > 200 µg/bee; Oral > 100 µg/bee.

Birds: LD50 Bobwhite quail > 900 mg/kg, Mallard ducks > 2000 mg/kg.

: Dietary LC50 (5d) Bobwhite quail and Mallard ducks > 5000 mg/kg.

Fish : LC50 (96h) Rainbow trout 0.36 mg/L, Bluegill sunfish 1.3 mg/L.

Algae : EC50 (72h) Green algae (*Selenastrum capricornutum*) 0.52 µg/l (recovery observed).

Worms: LC50 (14d) Earthworms (*Eisenia foetida*) 210 mg/kg

Other aquatic species: EC50 (48h) Daphnia: 8.6 mg/L.

13) Disposal Considerations:

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.

Container Disposal: Refer to the product label for instructions. Triple rinse empty containers before disposal in the following manner: Invert the container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed to a drip. Thereafter, rinse the container three times with a volume of water equal to a third of that of the container volume. Add rinsing to the contents of the spray tank before destroying the container in the prescribed manner. Empty containers should not be burnt; puncture and flatten containers and dispose at a licensed landfill site according to local regulations. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Prevent contamination of water sources, food or feed by disposal. DO NOT REUSE THE CONTAINER FOR ANY OTHER PURPOSE. If recycling, replace cap and take containers to the designated recycling point. If containers cannot be recycled, they should be disposed of together with the waste chemical according to local regulations.

14) Transportation Information:

UN Number: 3082

Road transport ADR/RID

Class: 9

Packing group: III

Hazard label: 9, EHSM

UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acetochlor)

Maritime transport IMDG/IMO

Marine pollutant

Air transport IATA/ICAO

Class: 9

Packing group: III

Hazard label: 9, EHSM

15) Regulatory Information:

Symbols: Xn – Harmful

N - Dangerous for the environment

Risk – Phrase:

R10 - Flammable

R20 -Harmful by inhalation.

R37 -Irritating to respiratory system

R38 -Irritating to skin

R43 -May cause sensitisation by skin contact.

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

R65 -Harmful: May cause lung damage if swallowed.

R66 -Repeated exposure may cause skin dryness or cracking.

R67 -Vapours may cause drowsiness and dizziness.

Safety – Phrase:

S1/2 -Keep locked up and out of reach of children.

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

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

S24/25 -Avoid contact with skin and eyes.

S36/37/39-Wear suitable protective clothing, gloves and eye/face protection.

S60 -This material and its container must be disposed of as hazardous waste. S61

-Avoid release to the environment. Refer to SDS.

Hazard Statements

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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