

Safety Data Sheet

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

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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:	Acute Tox- Oral: Cat 4 (H302) Skin Sensitization: Cat 1 (H317) Specific target organ toxicity(Single Exposure): Cat 3 (H400) Acute aquatic Tox: Cat 1 (H400) Chronic Aqatic Tox: Cat 1 (H410) Flammable liquids: Cat 4 (H227)
Label elements:	<p>Pictogram(S):</p>  <p>Signal Word: Warning</p> <p>Hazard Statement(s) H302 - Harmful if swallowed H317 - May cause an allergic skin reaction H410 - Very toxic to aquatic life with long lasting effects H227 - Combustible</p> <p>Precautionary Statement(s) P102 - Keep out of reach of children P210 - Keep away from heat, hot surfaces, sparks, open flames, and other sources. P243 -Take precautionary measures against static discharge</p>

	P261 - Avoid breathing dust/ fume/ gas/mist/ vapours/ spray P280 - Wear protective gloves/ Protective clothing/ eye protection/ face protection P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P501 – Dispose of contents/ Container to an approved waste disposal plant
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	Flam. Liq 3 (H226) Asp. Tox. 1 (H304) Aquatic Chronic2 (H411)	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:	None Known.
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:	Flammable
Fire-fighting:	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. If area is heavily exposed to fire and if conditions permit, let fire burn itself out. Contain fire control agents for later disposal. Avoid inhaling hazardous vapours and fumes from burning materials. Keep upwind. Remove container from fire area 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. Avoid pollution of waterways. UNUSUAL FIRE OR EXPLOSION HAZARDS: Generating poisonous and corrosive fumes.
Protective clothing:	Full protective clothing and self-contained breathing apparatus
6) Accidental Release Measures:	
Personal precautions:	Do not inhale vapour or spray. Avoid contact with skin and eyes. For personal protection see section 8.
Environmental precautions:	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.
Cleaning procedure:	Wear protective clothing. Clear area of unprotected personnel. Contain and absorb liquid spills with inert material and place in waste containers. Wash area with water containing soda or detergent and absorb with further inert material. If spill does enter waterways contact the local authority. Heavily contaminated soil layers should be removed and disposed of in an approved way. 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

Disposal:	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. 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. Do not transport if this container is damaged or leaking.
7) Handling & Storage:	
Handling:	Avoid skin and eye contact and inhalation of spray mist. Keep away from heat and sources of ignition. Ensure adequate ventilation. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. Wash contaminated clothing before re-use. 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.
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:	
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. <u>PERSONAL PROTECTIVE EQUIPMENT:</u>	
Clothing:	Consult supplier to confirm that the equipment is suitable. Employee must wear appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged skin contact with this substance.
Gloves:	Employee must wear appropriate chemical-resistant gloves to prevent contact with this substance
Eye protection:	The use of safety goggles with side shields is recommended.
Respiratory protection:	Wear respirator if ventilation is inadequate or exposure to high levels are likely
Emergency eye wash:	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.
9) Physical & Chemical Properties:	

Form: Colour: Odour: Odour threshold: pH: Melting point / Freezing point Initial boiling point and boiling range Flash point: 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:	Liquid Pink Characteristic No data available 7 No data available No data available >65 °C No data available No data available No data available No data available No data available Miscible 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. Heating can release vapours which can be ignited. Avoid extreme temperatures. None known. 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)

Environmental Hazard: Yes

Maritime transport IMDG/IMO

Class: 9

Packing group: III

Hazard label: 9, EHSM

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

Marine pollutant

Air transport IATA/ICAO

Class: 9

Packing group: III

Hazard label: 9, EHSM

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

Environmental Hazard: Yes

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 sensitization 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.

Full text of H-statements referred to under section 2 and 3

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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