

FARM-AG INTERNATIONAL (Pty) Ltd

P.O. Box 1523, Durban 4000

Head Office : 61 Marshall Dr., Old Mill Industrial Park, Mount Edgecombe **South Africa**

Registration Number: 2005/011761/07

Tel + 27 31 003 3486 • Fax + 27 31 502 5825

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: FARMAG ACETOCHLOR 900 EC
Product Use: Herbicide
Effective Date: January 2012
Revision Date: August 2017

24 Hr Emergency Number: 082 771 2712

In case of poisoning:

Poison Information Centre: 082 446 8946

Tygerberg Hospital: (021) 931 6129

Poison Emergency Enquiries (021) 689 5227

In case of Spillage:

HAZMAT: 0800 147 112

2. COMPOSITION / INFORMATION ON INGREDIENTS

Common Name: Acetochlor

Chemical Name: 2-chloro-N-(ethoxymethyl)-N-(2-ethyl-6-methylphenyl) acetamide

CAS No.: 34256-82-1

Chemical Family: chloroacetamide

Chemical Formula: C₁₄H₂₀CLNO₂

Molecular weight: 269.8

Formulation: Acetochlor: 900 g/l

Emulsifiable concentrate

Use: Pre-emergence control of most annual grasses and certain broadleaf weeds in sugar cane and maize as indicated.

Chemical Ingredients	CAS No.	Content (w/v)
Active Ingredient (95% technical)	34256-82-1	900 g/l min.
Emulsifier and Surfactant		110.4 g/l max.
Solvent		62.0 g/l max.

3. HAZARD IDENTIFICATION**Emergency Overview:**

Keep out of reach of children, uniformed persons and animals.

Harmful if swallowed or inhaled.

Causes eye irritation.

May cause an allergic reaction

Potential Adverse Health Effects:

Likely Routes of exposure: Skin and eye contact and inhalation

Eye Contact: May cause slight to moderate irritation

Skin contact: This is not a skin irritant. It may cause weak allergic skin reaction.

Ingestion: This may be slightly toxic if ingested. No significant adverse health effects are expected.

Inhalation: This may be irritating and slightly toxic if inhaled.

4. FIRST AID MEASURES AND PRECAUTIONS

Skin contact: Immediately remove contaminated clothing and flush the skin with plenty of water. Wash contaminated skin thoroughly with soap and water. Wash clothing before reuse. Persons sensitized to acetochlor should avoid further contact and reuse of contaminated clothing. Get medical attention.

Eye contact: Hold eyelids open and flush with clean water for 15 minutes. Get medical attention.

Ingestion: Rinse mouth with water. Offer a glass of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention and contact a poison Control Centre.

Inhalation: Remove individual to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention immediately.

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5. FIRE-FIGHTING MEASURES

Flash Point: 40°C

Auto Ignition Temperature: Not determined

Extinguishing media: Use foam, carbon dioxide, dry powder, sand, earth, or water spray. Avoid high pressure water spray.

Personal Protective Equipment: Wear full protective clothing (long sleeve overall, boots, gloves, eye protection and self-contained breathing apparatus).

Special Fire Fighting Procedures: Fire fighters and others that may be exposed to vapours, mists, dusts, or products of combustion should wear full protective clothing and self-contained breathing apparatus. Equipment should be thoroughly cleaned after use.

Unusual Fire or Explosion Hazards: The fire will produce carbon monoxide nitrogen oxides and hydrogen chloride.

6. ACCIDENTAL RELEASE MEASURES (SPILLAGE)

Personal precautions:

Wear appropriate protective personal clothing (overalls,boots,gloves). Do not inhale fumes. Avoid contact with skin, eyes or clothes.

Environmental precautions:

Dyke soil to prevent further contamination. Absorb spillage with absorbent material such as sand, sawdust, lime, soil. Sweep up and collect contaminated soil and absorbent material and place in marked drums for later appropriate disposal.

Prevent contamination of drains, water bodies and sewerage systems.

Methods of cleaning up:

Use personal protective equipment to minimize exposure. Take all necessary action to prevent and to remedy the adverse effect of the spill.

Use absorbent material such as sand, sawdust, lime, soil.

The area can be washed with water to remove last traces of material, but keep the water out of drains, watercourses or sewers.

Ensure the disposal is in compliance with local requirements and regulations.

Inform authorities immediately if contamination occurs.

7. HANDLING AND STORAGE REQUIREMENTS

Handling:

Handle in well-ventilated areas only.

Avoid contact with skin, eyes or clothing.

Avoid breathing vapour or spray mist.

Do not eat, drink or smoke while handling this product.

Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Wash hands after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove contaminated clothing and wash before reuse.

Remove Personal Protective Equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

This product is toxic to fish and aquatic invertebrates.

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.

Do not contaminate any water body or drain system when disposing of equipment wash water.

Storage:

This product must be stored in the original container (with a label) in a well-ventilated cool dry place protected from direct sunlight, heat and open flames.

Keep out of reach of children, uninformed persons and animals.

Store away from food, drink, seed and animal feed.

Minimum shelf life: 2 years.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Personal Protective Equipment: Long-sleeve overalls, boots, gloves, eye protection.

Eye Protection: Wear chemical safety goggles to prevent eye contact.

Skin Protection: Wear appropriate protective clothing and waterproof gloves to prevent skin contact.

Wash hands and contaminated skin thoroughly after handling.

Respiratory Protection: Avoid breathing vapour or mist. Use a respirator.

Respirators are not required for application of diluted product.

Ventilation: Provide natural or mechanical exhaust ventilation to minimize exposure.

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9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance:** Light yellow clear liquid**Density:** 1.11**PH:** 7.4-7.6**Flash Point:** 40°C**Solubility in water:** Acetochlor – 233 mg/l**Stability:** Shelf life is a minimum of 2 years when protected from direct sunlight and moisture.**Corrosion:** Acetochlor is not corrosive.**10. STABILITY AND REACTIVITY****Chemical Stability:** Stable for at least two years under normal warehouse conditions.**Conditions to avoid:** None**Incompatibility with other materials:** None**Hazardous decomposition products:** None**Hazardous Polymerization:** Does not occur**11. TOXICOLOGICAL INFORMATION****Oral:** Slightly Toxic (Rat LD₅₀ = >2 000 mg/kg)**Dermal:** Practically Non-Toxic (Rat LD₅₀ = > 2000 mg/kg)**Inhalation:** Non Toxic; > 5.36 mg/l**Eye Irritation:** Slightly to moderately irritating (Rabbit)**Skin Irritation:** Not irritating**Sensitization:** Weak dermal sensitizer**12. ECOLOGICAL INFORMATION****Effects on Aquatic Organisms:**Rainbow Trout: 96-hour LC₅₀ = 0.45 mg/l (Acetochlor technical); = 0.36 mg/l (formulation)Bluegill Sunfish 96-hour LC₅₀ = 1.3 mg/l (Acetochlor technical); = 1.5 mg/l (formulation)Water Flea *Daphnia magna* 48 hour EC₅₀ = 16.0 mg/l**Effects on Birds:**Bobwhite Quail: acute oral LD₅₀ = 1260 mg/kg.Mallard Ducks: acute oral LD₅₀ = > 5620 mg/kg.**Effects on Other Animals (Non-target species):**

Acetochlor is considered moderately toxic to honeybees.

13. DISPOSAL CONSIDERATION

Triple rinse the empty container, then offer for recycling, or dispose of in a manner approved by state or local authorities.

14. TRANSPORT INFORMATION

UN No. 3082

Shipping Name: Environmentally hazardous substance, Liquid, N.O.S. Acetochlor 900 g/l.

Packaging Group: III

Transport Category: 9

IMDG: Marine Pollutant

Hazard Classification: 6.1 (toxic substance)

15. REGULATORY INFORMATION

WHO Classification: Group III

RSA Classification: Group III; Caution

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16. OTHER INFORMATION

Use: An agricultural/horticultural product

Read the label before you buy: use pesticides safely.

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 our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions or recommendations are not followed.

All information is given in good faith but without guarantee in respect of accuracy, and no responsibility is accepted for errors or omissions or the consequent thereof.