

MATERIAL SAFETY DATA SHEET

ACETOCHLOR 500g/l EC

1. PRODUCT IDENTIFICATION

Product	ACETOCHLOR 500g/l EC
Ingredient	Acetochlor
Chemical Name	2'-ethyl-6'-methyl-N-(ethoxymethyl)-2-chloroacetylanilide)
Chemical Formula	C ₁₄ H ₂₀ ClNO ₂
CAS Number	34256-82-1
Manufacturer	Shanghai Tenglong Agrochem Co., Ltd.
Address	Yangpu building 24B, No.2005, Huangxing Road, Yangpu Shanghai
Tel	86-21 5506 3225
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2. COMPOSITION (INFORMATION ON INGREDIENTS)

HAZARDOUS COMPONENT	CAS NUMBER	Proportion
Acetochlor	34256-82-1	500g/l
Dimethylbenzene	1330-20-7	Up to 1L

3. HAZARDS IDENTIFICATION

Ingestion	Acute oral LD50(rats) : 2148 mg/kg May be harmful.
Eye contact	Material is a mild irritant to eye. May be harmful if contact.
Skin contact	Dermal LD50(rats) : >4166 mg/kg Material is a mild irritant to skin. May be harmful if contact.
Skin absorption	Harmful if absorbed through skin.
Inhalation	Rats LC50 (4 hrs): >3.0 mg/L.

4. FIRST AID MEASURES

Skin	In case of contact, immediately flush eyes or skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes.
Eyes	In case of contact, immediately flush the eyes with large quantities of running water for a minimum of 15 minutes. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eye and lids with water.
Ingestion	If swallowed, wash out mouth with water provided person is conscious. Induce vomiting. Obtain medical attention immediately.

Inhalation Remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult medical personnel.

5. FIRE FIGHTING MEASURES

Flash Point: >68°C Method: Tag Closed Cup
 Auto Ignition Temperature: Not determined
 Extinguishing Media: Foam, dry chemical or carbon dioxide
 Special Fire Fighting Procedures: None
 Unusual Fire or Explosion Hazards: None
 Special Fire Fighting Procedures: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full fire-fighting turn out gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled:

Evacuate area. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Soak up material with absorbent material and dispose of in accordance with local regulations. Ventilate area and wash spill site after material pickup is complete.

Disposal Method:

Cautiously dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

7. HANDLING AND STORAGE

Handling:

- Avoid contact with eyes, skin, or clothing.
- Avoid breathing vapors.
- Wash thoroughly with soap and water after handling.
- Do not discharge effluent containing this product directly into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically identified and addressed in a National Pollutant Discharge Elimination system (NPDES) permit. Do not discharge effluent containing this product into sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your state Water Board or Regional Office of the Environmental Protection Agency.

Storage:

- Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Respiratory Protection Use MSHA/NIOSH approved respirator for pesticides.
 Protective Clothing Skin contact should be prevented through the use of impervious gloves, footwear, long-sleeved clothing, wide brimmed hat and head covering. Remove contaminated work clothing and launder after each shift. Workers should shower at the end of each shift. Work clothing should be laundered separate from other garments.

Eye Protection	Eye contact with the material should be avoided through the use of chemical safety glasses, goggles or a face shield, selected in regard to exposure potential.
Other Protection	An adequate supply of clean potable water should be available to allow thorough flushing of skin and eyes in event of contact with these compounds.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	WINE-RED
Specific Gravity	1.12 (20°C)
Melting Point	-71.5°C
Boiling Point	121°C/0.001mmHg
Density	N/A

10. STABILITY AND REACTIVITY

Chemical Stability: Decomposes at 180° with heat evolution. No changes after 2 weeks in contact with copper, zinc or sunlight. There was about 3% assay loss after 2 weeks in contact with iron at 50°C.

Conditions to Avoid: None

Incompatibility with Other Materials: None

Hazardous Decomposition Products: Carbon monoxide

Hazardous Polymerization: Does not occur

11. TOXICOLOGICAL INFORMATION

This section is intended for use by toxicologists and other health professionals. Data obtained on similar products and on components are summarized below.

Toxicity:

- Acute oral: LD₅₀ for rats: >2000mg/kg
- Acute dermal: LD₅₀ for rats: >5000mg/kg
- Inhalation: LC₅₀ (4h) for rats: > 3.0mg/l air
- Skin and eyes: No irritating to skin and eyes (rabbits)
- Sensitization: Not sensitizer

12. ECOLOGICAL INFORMATION

96-hr LD₅₀ Honeybee: 1,715 µg/bee, Practically Nontoxic

Acute Oral LD₅₀ Bobwhite Quail: 1,260 mg/kg, Slightly Toxic

5-day Dietary LC₅₀ Mallard Duck: >5,620 ppm, Practically Nontoxic

5-day Dietary LC₅₀ Bobwhite Quail: >5,620 ppm, Practically Nontoxic

48-hr LC₅₀ *Daphnia magna*: 16 mg/l, Slightly Toxic

96-hr LC₅₀ Bluegill Sunfish: 1.3 mg/l, Moderately Toxic

96-hr LC₅₀ Rainbow Trout: 0.45 mg/l, Highly Toxic

Rainbow trout eggs were exposed to Acetochlor Technical concentrations of 0, 0.031, 0.063, 0.13, 0.25 and 0.50 mg/l. The no-observed effect concentration was 0.19 mg/l.

13. DISPOSAL CONSIDERATIONS

Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides in accordance with applicable federal, state or local procedures.

Emptied containers retain vapor or product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.

Triple rinse emptied bulk container then offer for recycling or reconditioning, or dispose of in a manner approved by state and local authorities.

14. TRANSPORT INFORMATION

This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations

15. REGULATORY INFORMATION

SARA Hazard Notification:

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370):

Immediate, Delayed Section 313 Toxic Chemical(s): Not Applicable

Reportable Quantity (RQ) under U.S. CERCLA: Not Applicable

TSCA Inventory: All components are on the US EPA's TSCA Inventory List

16. OTHER INFORMATION

This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.