

MATERIAL SAFETY DATA SHEET

Butachlor 600g/l EC

1. IDENTIFICATION OF THE SUBSTANCE

Product name: Butachlor 600g/l EC

Manufacturer: Shanghai Tenglong Agrochem Co., Ltd.

Add: Yangpu building 24B, No.2005, Huangxing Road, Yangpu Shanghai

Phone Numbers: Tel: 86-21 5506 3225

Fax: 86-21-5506 3699

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Chloroacetamide herbicide

Ingredient Name	CAS Number	Concentration(w/v)
Butachlor	23184-66-9	600g/L
Sulphonated alkylbenzene	68411-30-3.	50g/l
Benzene	8008-20-6	Up to 1L

3. HAZARD IDENTIFICATION

More important danger for the man: none

Dangers for the environment: toxic to aquatic; low accumulation;

Physical-chemical dangers: can decompose at high temperatures forming toxic gases.

4. FIRST AID MEASURES

Skin: remove contaminated clothing and shoes, flush with plenty of water and soap.

Eyes: flush with plenty of clear water for 15-20 minutes.

Inhalation: move affect person to fresh air and keep at rest until recovered. If not breathing, give artificial respiration and get to a doctor.

Ingestion: do not induce vomiting; drink plenty of water. Then see doctor immediately.

5. FIRE-FIGHTING MEASURES

Extinguishing media

To be used: water spray, foam, dry chemical powder and carbon oxide.

Don't use: not applicable

Particular risk: none.

Measures of personal protection: safety glasses or goggles, rubber gloves, shoes plus socks, long-sleeved shirt, and long pants.

6. ACCIDENTAL RELEASE MEASURES

Personal cautions: The product is harmful if inhaled or swallowed. Will irritate the eyes, nose, throat and skin. Avoid inhaling spray mist. Keep people and animals away

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and upwind.

Cleaning methods

EX: clear the liquid formation. Transfer to a properly labelled deposit that will be closed and sealed until the recovery of elimination of the product.

Environmental cautions

EX: prevent the contamination of the floor and of beds of water.

7. HANDLING AND STORAGE

Handling: Keep out of reach of children. Avoid contact with the eyes, skin and clothing and avoid inhalation of product or spray mist. If in eyes, wash it immediately with water. After handling and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. Do not contaminate food or use on household tanks.

Storage: Store in the closed, original container in a dry, cool, well-ventilated area, secure area at minimum storage temperatures. Store in locked room or place away from children, animals, food, animal feed, seed and fertilizers.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Personal protective equipment: full-length overalls

Respiratory protection: approved respirator.

Protective gloves: rubber gloves

Eye protection: safety goggles or face shield.

Industrial hygiene: ventilation

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (at 20 °C): liquid

Colour: light brown transparence liquid

pH Value (at 20 °C): 5.0 – 8.0

Boiling point (range): not applicable

Flash point: >60°C (PMCC)

Flammability: not flammable

Explosive properties: N/A

Relative density (at °C): 1.07 g/cm³ approx.

Water solubility: emulsifiable

Melting point (range): -2.8 ~ -1.7°C

10. STABILITY AND REACTIVITY

Conditions to avoid: avoid heat and fire.

Products to avoid: not applicable

Thermal decomposition: not applicable

Hazardous decomposition products: toxic gases.

Hazardous reaction: none;

11. TOXICOLOGICAL INFORMATION

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Acute oral LD50 for rat:>5010mg/kg
Acute dermal LD50 for rat:>2150mg/kg
Contact with the skin: moderate irritation to skin of rabbit;
Contact with the eyes: slight irritation to eyes
Inhalation: not applicable;
Sensitization: no-sensitive;

12. . ECOLOGICAL INFORMATION

Fish:

LC₅₀ (96 h) for rainbow trout 0.52, bluegill sunfish 0.44, carp 0.32, channelcatfish 0.10~0.14, fathead minnow 0.31 mg/l.

Daphnia LC₅₀ (48 h) 2.4 mg/l. LC₅₀ (96 h) for crayfish 26 mg/l.

Bird:

Acute oral LD₅₀ for mallard ducks >4640 mg/kg. Dietary LC₅₀ (5 d) for mallard ducks >10000, bobwhite quail 6597 mg/kg diet.

Bee: LD50 (contact) >100µg/bee;

13. DISPOSAL CONSIDERATIONS

Product: do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state and environmental regulations.

14. TRANSPORT INFORMATION

Class: 6.1

UN No.: 2769

15. REGULATORY INFORMATION

Not applicable

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.