

Material Safety Data Sheet

Butachlor 92% Tech

1. Chemical Product / Company Identification

Product name: Butachlor 92% TC
Active Ingredient: Butachlor
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

Components	CAS Number	%(w/w)
Butachlor	23184-66-9	92%
Other ingredients	-	to 100%

3. Hazard identification

Dangers for the environment: toxic to aquatic, low accumulation;
Physical-chemical dangers: can decompose at high temperatures forming toxic gases.
Inhalation: Aspiration of insecticide containing petroleum distillate may result in pneumonitis.
Skin: Extensive contact results in dermal irritation.
Ingestion: Nausea, vomiting, and diarrhea may follow ingestion.

4. First Aid Measures

If inhaled: Move person to fresh air. If person is not breathing, call 120 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. If symptoms persist, keep person warm and quiet, seek medical attention.

If ingestion: Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

If on skin: Remove contaminated clothing. Wash skin and hair thoroughly; do two soap and water washings. Leather absorbs liquid. Hence, leather should not be worn in the presence of herbicide and all contaminated leather should be discarded.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control

center or doctor for treatment advice.

5. Fire Fighting Measures

Extinguishing Media: foam, water spray, dry chemical and carbon dioxide.

Special Fire Fighting Procedures: Firefighters should wear self-contained breathing apparatus and full fire-fighting turn out gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

6. Accidental Release Measures

Personal Precautions: Wear appropriate protective gear for the situation. 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 and upwind.

Environmental Precautions: prevent the contamination of the floor and of beds of water.

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

7. Handling and Storage

Handling: All chemicals should be considered hazardous. Avoid direct physical contact. Use appropriate, approved safety equipment. 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 Controls/Personal Protection

Respiratory Protection: Use NIOSH/MSHA approved respirator appropriate for exposure of concern.

Eye Protection: Chemical goggles.

Protective Clothing: Rubber gloves, respirator, boots, long sleeved shirt or jacket, long pants.

Exposure Effects: CNS excitation, seizures, tremor, ataxia, agitation, nervousness, and amnesia may occur.

9. Physical and Chemical Properties

Active ingredient: Butachlor

Content: 92%

Chemical formula: C₁₇H₂₆ClNO₂

Molecular weight: 311.85 g/mol

Appearance: clear orange liquid

Solubility In Water: 23 ppm (24°C)

10. Stability and Reactivity

Conditions To Avoid: Heat and open flame.

Stability: Stable under normal conditions.

Polymerization: Will not occur.

Hazardous decomposition products: toxic gases.

Incompatible Materials: Strong oxidizing agents..

11. Toxicological Information

Rat:

Acute oral LD₅₀: >5010mg/kg

Acute dermal LD₅₀: >2150mg/kg

Rabbit:

Contact with the skin: moderate irritation;

Contact with the eyes: slight irritation

Inhalation: not applicable;

Sensitization: no-sensitive

12. Ecological Information

Fish: rainbow trout LC₅₀ (96h) 0.5 mg/l.

Daphnia LC₅₀(48h) 2.4mg/l.

crayfish LC₅₀ (96h) 26 mg/l.

Bird: Acute oral LD₅₀ for mallard ducks >4640 mg/kg.

Dietary LC₅₀ (5d) for mallard ducks >10000,

bobwhite quail 6597 mg/kg diet.

Bee: LD₅₀(contact) >100µg/bee

13. Disposal Considerations

All herbicide waste are considered acutely toxic. Dispose of in an approved manner (consult local authority) only as a last resort. Otherwise, apply according to label instructions. Consult label and Directions for Use.

14. Transportation Information

UN NO.: 2769

Class: 6.1

15. Regulatory Information

There is no special information for it.

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.

Tenglong Agrochem