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

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS Number</th>
<th>Concentration(w/v)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butachlor</td>
<td>23184-66-9</td>
<td>600g/L</td>
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<tr>
<td>Sulphonated alkylbenzene</td>
<td>68411-30-3.</td>
<td>50g/l</td>
</tr>
<tr>
<td>Benzene</td>
<td>8008-20-6</td>
<td>Up to 1L</td>
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</tbody>
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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 affected 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.
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 transparency 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
Acute oral LD50 for rat: >5010 mg/kg
Acute dermal LD50 for rat: >2150 mg/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) >100 μg/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.