**Identification**

**MSDS Record Number:** 4630982  
**Product Name(s):** T-Butyl Chloride  
**Product Identification:** CAS NO.: 507-20-0  
**Date of MSDS:** 2005-03-09  
**Currency Note:** This MSDS was provided to CCOHS on 2005-06-10

**Manufacturer/Supplier Information**

**Company:** ALBEMARLE CORP

**Material Safety Data**

93.0.65  ETH 4410  T-Butyl Chloride  03/09/05CY  
ALBEMARLE CORPORATION  
MATERIAL SAFETY DATA SHEET  
451 FLORIDA STREET, BATON ROUGE, LA 70801  
For Emergencies Only - Phone (225) 344-7147  
For Non-emergency Health & Safety Phone 1-800-535-3030  
Representing Albemarle Foreign Sales Corporation for Export Sales

**HMIS Classifications:**  
**Health:** 2  
**Flammability:** 3  
**Reactivity:** 0

93.0.65

**Product Identification**

**Product Name:** T-Butyl Chloride  
**Chemical Name:** T-Butyl Chloride  
**CAS NO.:** 507-20-0  
**Synonyms:** Tert-Butyl chloride  
**Chemical Formula:** C4H9Cl

**Summary of Hazards**

Flammable!  
May cause eye, skin and respiratory tract irritation.  
See "Chronic Effects of Overexposure."  
See "Other Health Effects."

**OSHA Hazardous Components**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Note</th>
<th>Exposure Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane, 2-chloro-2-methyl-</td>
<td>507-20-0</td>
<td>ND</td>
<td>Not established</td>
</tr>
</tbody>
</table>
HEALTH EFFECTS'.
CHRONIC EFFECTS OF OVEREXPOSURE: May cause liver and kidney damage. Effects may be delayed.
OTHER HEALTH EFFECTS: This material, if ingested, may cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure.

EMERGENCY FIRST AID PROCEDURES
INHALATION: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

SKIN CONTACT: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse.

INGESTION: Do not induce vomiting. Give large quantities of water. Get medical attention immediately. Never give anything by mouth to an unconscious person.

EMERGENCY FIRST AID PROCEDURES (Con't)

EXPOSURE CONTROL INFORMATION
EXPOSURE LIMITS: Not established by OSHA/ACGIH.

EYE PROTECTION: Safety glasses, chemical goggles, or face shield, depending on potential exposure.

PROTECTIVE GLOVES: Resistant to chemical penetration.

RESPIRATORY PROTECTION: Full facepiece, NIOSH approved organic vapor respirator.

LOCAL EXHAUST VENTILATION: At source of vapor.

MECHANICAL VENTILATION: Recommended.

OTHER: If skin contact or contamination of clothing is likely, protective clothing should be worn.

ENVIRONMENTAL PROTECTION

SPILLS OR LEAKS: Ventilate area. Remove sources of ignition. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Take up small spills with dry chemical absorbent. Large spills...
THE RESPONSIBILITY TO PROVIDE A SAFE WORKPLACE REMAINS WITH USER. THE USER SHOULD CONSIDER THE HEALTH HAZARDS AND SAFETY INFORMATION CONTAINED HEREIN AS A GUIDE AND SHOULD TAKE THOSE PRECAUTIONS REQUIRED IN AN INDIVIDUAL OPERATION TO INSTRUCT EMPLOYEES AND TO DEVELOP WORK PRACTICE PROCEDURES FOR A SAFE WORK ENVIRONMENT.

THE INFORMATION CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE. HOWEVER, BECAUSE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY THE USE OF THIS MATERIAL. IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.

03/09/05

October, 2007 Issue

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