

# MATERIAL SAFETY DATA SHEET

OSHA-MEETS 29 CFR 191.1200 STANDARDS

HMIS HAZARD RATINGS



HEALTH	2	0 = INSIGNIFICANT	3 = HIGH
FLAMMABILITY	1	1 = SLIGHT	4 = EXTREME
REACTIVITY	0	2 = MODERATE	

## TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Not regulated. Compound, Tree or Weed Killing, Liquid

HAZARD CLASS / DIVISION: None REF: Not applicable

IDENTIFICATION NUMBER: None LABEL: NONE REQUIRED

## SECTION 1 - PRODUCT / COMPANY IDENTIFICATION

IDENTITY (AS USED ON LABEL AND LIST) <b>Butoxone<sup>®</sup> 200</b>	Page 1 of 2
EPA Reg. No.: 56077-26	

MANUFACTURER'S NAME Cedar Chemical Corporation	EMERGENCY TELEPHONE NUMBER CHEMTREC (800) 424-9300
ADDRESS (NUMBER, STREET, P.O. BOX) 5100 Poplar Avenue, Suite 2414	TELEPHONE NUMBER FOR INFORMATION (901) 685-5348 (870) 572-3701
(CITY, STATE, AND ZIP CODE) Memphis, Tennessee 38137	DATE PREPARED: June 1, 2000 SUPERSEDES: January 3, 2000

## SECTION 2 - COMPOSITIONAL INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))	CAS #	%	ACGIH PPM	TWA MG/M <sup>3</sup>	STEL PPM	CEDAR PPM	SARA TITLE III	RQ LBS
4-(2,4-dichlorophenoxy) butyric acid, dimethylamine salt	2758-42-1	26.2						
Inert ingredients								

(a) A "YES" in the SARA TITLE III column indicates a toxic chemical subject to annual reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372. \* Effective 1996.

(b) Indicates an employee's skin exposure shall be prevented or reduced to the extent necessary in the circumstances through the use of gloves, coveralls, goggles, or other appropriate equipment.

(c) The Workplace Hazardous Materials Information System (WHMIS), Canada's version of the Hazard Communication, has determined this product must be disclosed as a hazardous ingredient to the extent described in the regulations.

(d) Indicates the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) has notification requirements for releases or spills to the environment of the Reportable Quantity (RQ) or greater amounts according to 40 CFR 302.

## SECTION 3 - HEALTH HAZARD DATA

ROUTES OF ENTRY - SIGNS AND SYMPTOMS OF EXPOSURE	EMERGENCY AND FIRST AID PROCEDURES
<p><b>INHALATION:</b> Vapor or spray may irritate the respiratory tract. No specific information, but probably harmful if inhaled leading to signs and symptoms as described in skin absorption.</p> <p><b>SKIN:</b> May be fatal if absorbed through the skin. May lead to nausea, abdominal pain, muscle weakness, myotonia and a drop in blood pressure.</p>	<p>Move subject to fresh air. Administer artificial respiration if breathing has stopped. Get medical attention.</p> <p>Remove contaminated clothing; wash affected area with soap and water. Launder contaminated clothing before reuse. If irritation persists, seek medical attention.</p>
<p><b>EYES:</b> Vapors or sprays are irritating to the eyes. Contact causes irreversible eye damage seen as corneal opacity.</p>	<p>Flush eyes with water for 15 minutes while holding eyelids open. Seek medical attention, preferably an ophthalmologist.</p>
<p><b>INGESTION:</b> Harmful if swallowed. May cause nausea,</p>	<p>If swallowed, drink promptly a large quantity of milk, egg whites,</p>

abdominal pain, muscle weakness, myotonia and a drop in blood pressure. May cause burns to the gastroesophageal tract.	gelatin solution, or if these are not available, water. Mucosal damage may contraindicate evacuation of stomach by gastric lavage.		
HEALTH HAZARDS (ACUTE AND CHRONIC): May be fatal if swallowed or absorbed through the skin. Acute Oral LD <sub>50</sub> (rats) 1706 mg/kg. Acute Dermal LD <sub>50</sub> (rabbits) 1440 mg/kg. No known chronic effects have been established.			
CARCINOGENICITY:	NTP? No	IARC MONOGRAPHS? No	OSHA REGULATED? No
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Skin irritation may be aggravated in persons with existing skin lesions. Breathing of vapor or sprays (mists) may aggravate acute or chronic asthma and inflammatory or fibrotic pulmonary disease.			

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### SECTION 4 - FIRE FIGHTING MEASURES

FLASH POINT (METHOD USED) Noncombustible	FLAMMABLE LIMITS LEL: None UEL: None
EXTINGUISHING MEDIA CO <sub>2</sub> , water, water fog, dry chemical, and chemical foam.	AUTOIGNITION TEMPERATURE None

**SPECIAL FIRE FIGHTING PROCEDURES**  
Wear self-contained breathing apparatus (pressure-demand MSHA/NIOSH-approved or equiv.) and full protective gear. Runoff should be contained.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**  
Thermal decomposition produces noxious fumes that may include hydrogen chloride, chlorine, organic acids, and ammonia. Pesticide particulates may become airborne.

### SECTION 5 - ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Comply with fire, explosion, safety precaution, personal protective equipment sections of this MSDS before proceeding with cleanup. Absorb material with inert material such as "oil dry" and place in suitable container. Keep out of streams, water supplies, and sewers. Contact Cedar or Chemtec if assistance is needed. For spills in excess of allowable limits(RQ) notify the National Response Center (800) 424-8802; refer to SARA Title III, Section 313 40 CFR 372, and CERCLA 40 CFR 302 for complete regulations concerning reporting requirements.

### SECTION 6 - HANDLING AND STORAGE

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Keep container closed when not in use. Protect containers from abuse and extreme temperatures. Do not store or consume food, drink, or tobacco in areas where they may become contaminated with this material. Minimize body contact with this product as well as all chemicals in general.

### SECTION 7 - EXPOSURE CONTROLS / PERSONAL PROTECTION

**RESPIRATORY PROTECTION (SPECIFY TYPE):** Wear respirator (MSHA/NIOSH-approved or equivalent) suitable for mist or vapor concentrations encountered. Wear self-contained breathing apparatus when handling leaks or spills or when airborne concentrations exceed allowable exposure limits.

**VENTILATION** LOCAL EXHAUST: Required to control mist or vapor concentration.  
MECHANICAL (GENERAL): Yes

PROTECTIVE GLOVES: Chemical-resistant such as PVC.	EYE PROTECTION: Chemical splash goggles (ANSI Z-87.1 or equiv.)
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**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Protective clothing. Easy access to eye wash facility and safety shower.

**WORK / HYGIENIC PRACTICES:** Practice safe workplace habits. Shower after handling. Wash contaminated clothing before wearing again.

### SECTION 8 - PHYSICAL / CHEMICAL PROPERTIES

BOILING POINT 212°F	SPECIFIC GRAVITY (WATER =1) Approximately 1.085
VAPOR PRESSURE (mm Hg) Not available	pH 7.5 - 10.0
VAPOR DENSITY (AIR = 1) Not available	EVAPORATION RATE (WATER = 1) Not available
SOLUBILITY IN WATER 100% soluble, miscible	% VOLATILE (BY WEIGHT) Approximately 70%
APPEARANCE AND ODOR Clear brown liquid. Ammonia/amine-like odor	FREEZING POINT Below 0 °C

### SECTION 9 - STABILITY AND REACTIVITY

STABILITY Stable	CONDITIONS TO AVOID: Extreme temperatures and flame.
INCOMPATIBILITY (MATERIALS TO AVOID): Acids and oxidizing agents.	
HAZARDOUS DECOMPOSITION PRODUCTS: Noxious fumes such as hydrogen chloride, chlorine, organic acids, and ammonia.	
HAZARDOUS POLYMERIZATION Will not occur.	CONDITIONS TO AVOID: None known
<b>SECTION 10 - DISPOSAL CONSIDERATIONS</b>	
WASTE DISPOSAL METHOD: Incinerate pesticide or triple rinsate that cannot be used according to label directions and contaminated diking material in a permitted facility according to current local, state, and Federal regulations.	
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