

**Section 1: Identification**

**Product Name** Oxybutynin Chloride USP  
**Commercial Name** Oxybutynin Chloride  
**Product Use** Not available  
**Restrictions On Use** Not available  
**Product Code** 30-2455  
**Company** PCCA  
9901 South Wilcrest  
Houston, TX 77099  
Phone: 1-800-331-2498  
Fax: 1-800-874-5760

In case of emergency contact:  
**CHEMTREC (24hr) 1-800-424-9300**

**Section 2: Hazard(s) Identification**

**OSHA Haz Com:** Not available.  
**CFR 1910.1200**  
**Signal Word** WARNING  
**Hazard Statement(s)** Harmful if swallowed.  
**Pictogram(s) or Symbol(s)**

**Precautionary Statement(s):**

**Prevention** Not available.  
**Response** Not available  
**Storage** Not available  
**Disposal** Not available.

**Section 3: Composition/Information on Ingredients**

**Substance/Mixture** Substance  
**Components** Oxybutynin Chloride  
**% By Weight** 100  
**CAS#** 1508-65-2  
**Molecular Weight** Not available.  
**Chemical Formula** C22-H31-N-O3.HCl  
**Synonym(s)** 4-Diethylamino-2-Butynyl Phenyl (Cyclohexyl) Glycolate Hydrochloride

**Mixtures**

<b>Name</b>	<b>CAS#</b>	<b>% by Weight</b>	<b>TLV/PEL</b>	<b>LC50/LD50</b>
Oxybutynin Chloride	1508-65-2	100	Not available.	ORAL (LD50):Acute: 460mg/kg [Rat]. 725 mg/kg [Mouse]. 400mg/kg [Dog].

**Section 4: First-Aid Measures**

<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Skin Contact</b>	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention. Serious Skin Contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.
<b>Eye Contact</b>	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Ingestion</b>	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
<b>Symptoms/Effects</b>	
<b>Acute</b>	Harmful if swallowed. Irritating to eyes(Oxybutynin Hydrochloride)
<b>Delayed</b>	Not available
<b>Immediate Medical Attention</b>	Not available.

**Section 5: Fire-Fighting Measures****Suitable Extinguishing Media**

carbon dioxide, dry powder, alcohol-resistant foam, water spray

**Unsuitable Extinguishing Media**

Not available.

**Products of Combustion**

May be combustible at high temperature.

**Firefighters Special Equipment and Precautions**

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. In case of fire and/or explosion do not breathe fumes.

**Section 6: Accidental Release Measures**

Personal precautions: Do not breathe dust. Avoid dust formation. Avoid contact with the skin, eyes and clothing. Ensure adequate ventilation. Information regarding personal protective measures. Environmental precautions: Do not discharge into drains/surface waters/groundwater. Discharge into the environment must be avoided. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Clean up methods: For small amounts: Pick up with suitable appliance and dispose of. For large amounts: Sweep/shovel up. Dispose of absorbed material in accordance with regulations.

**Section 7: Handling and Storage**

Handling: Handle in accordance with good industrial hygiene and safety procedures. Avoid dust formation. Avoid inhalation of dusts/mists/vapours. Avoid contact with the skin, eyes and clothing. Ensure thorough ventilation of stores and work areas. In case of insufficient ventilation, wear suitable respiratory equipment. Product should be worked up in closed equipment as far as possible. Keep away from food, drink and animal feeding stuffs. Storage : Keep container tightly closed. Keep container in well-ventilated area. Store the container below 30°C. Precautions; Keep locked up.. Keep away from heat. Keep away from sources of ignition. Empty containers pose , a fire risk; evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Personal protection: Avoid all unnecessary exposure. Ensure prompt removal from eyes, skin and clothing.

**Section 8: Exposure Controls/Personal Protection**

**Exposure Limits**

Not available.

**Engineering Controls**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Personal Protection**

Respiratory protection: Wear a NIOSH-certified (or equivalent) particulate respirator. Observe OSHA regulations for respirator use (29CFR 1910.134) Eye protection: Tightly fitting safety goggles (splash goggles) (e.g. EN 166) Skin protection: Wear suitable protective clothing. Hand protection: Wear chemical resistant protective gloves. Consult with glove manufacturer for testing data. Personal Protection; Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus. Personal Protection in case of a Large Spill: Splash goggles full suit vapor and dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist before handling this product.

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	Solid. White to off-white crystalline powder		
<b>Odor</b>	Not available.		
<b>Odor Threshold</b>	Not available		
<b>Melting Point</b>	124-129C	<b>pH</b>	7.4
<b>Freezing Point</b>	Not available	<b>Vapor Pressure</b>	Not applicable.
<b>Boiling Point/Range</b>	Not available.	<b>Vapor Density</b>	Not available.
<b>Decomposition temperature</b>	Not available	<b>Viscosity</b>	Not available.
<b>Partition Coefficient: n-octanol/water</b>	Not available.	<b>Evaporation Rate</b>	Not available
<b>Flash Point</b>	Not available.	<b>Autoignition temperature</b>	Not available
<b>Flammability</b>	Not available	<b>Flammability or Explosive Limits:</b>	
		<b>Lower</b>	Not available
		<b>Upper</b>	Not available
<b>Solubility(ies)</b>	Water Soluble.		
<b>Other</b>	Not available.		

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	Not available
<b>Chemical Stability</b>	Stable under recommended temperatures and pressures.
<b>Hazardous Polymerization</b>	Not available.
<b>Conditions to Avoid</b>	Avoid humidity, Heat, flames and sparks.
<b>Incompatible Materials</b>	Acids, Alkalis, Oxidizing agents, Reducing agents
<b>Hazardous Decomposition Products</b>	Hydrogen chloride, carbon monoxide, carbon dioxide, nitrogen oxides and toxic gases/vapors

**Section 11: Toxicological Information****RTECS** GV2800000**Acute Toxicity**

Acute oral toxicity (LD50): 400 mg/kg [Dog]. Hazardous in case of skin contact (irritant), of inhalation (lung irritant).

DEVELOPMENTAL TOXICITY: Classified Development toxin [POSSIBLE]. May cause damage to the following organs: blood, lungs, central nervous system (CNS).

**Skin Corrosion/Irritation**

Skin irritation

**Serious Eye Damage/Irritation**

Risk of serious damage to eyes.

**Respiratory or Skin Sensitization**

Not available.

**Germ Cell Mutagenicity**

Not available

**Carcinogenicity**

Not available

**Reproductive Toxicity**

Not available.

**Routes of Entry**

Absorbed through skin. Eye contact. Inhalation.

**Symptoms Related to Exposure**

Not available

**Potential Health Effects**

Hazardous in case of skin contact (irritant), of inhalation (lung irritant).

**Target Organ(s)** blood, lungs, central nervous system (CNS)**Section 12: Ecological Information****Ecotoxicity**

Acute: Screening (style of OECD 202) static Daphnia magna/EC50 (48 h): 1 - 10 mg/l The details of the toxic effect relate to the nominal concentration. Microorganisms Toxicity to microorganisms: Screening test aquatic activated sludge, domestic/EC20 (180 min): > 100 mg/l The details of the toxic effect relate to the nominal concentration.

**Persistence and Degradability**

Not available

**Bioaccumulative Potential**

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Mobility in Soil**

Not available

**Other Adverse Effects**

Not available

**Section 13: Disposal Considerations****Waste Disposal**

Do not discharge into waterways or sewer systems without proper authorization. Empty contaminated containers/packaging must be handled according to applicable regulations for the hazardous properties of the contaminating material. Dispose of in accordance with national, state and local regulations.

**Disposal of Container**

Not available.

**Other Considerations**

Not available

**Section 14: Transport Information****DOT Classification**

DOT Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

**Section 15: Regulatory Information****Regulations**

Not available.

**Other**

WHMIS Not controlled under WHMIS (Canada). (Canada);DSCL (EEC) R22- Harmful if swallowed.;Gloves.;Lab coat.;Dust respirator. Be sure to use an approved/certified respirator or equivalent.;Splash goggles.

**Section 16: Other Information**

Not available.