



## Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Glycopyrrolate USP

55-1575

### Section 1: Identification

**Product Name** Glycopyrrolate USP  
**Commercial Name** Asceeryl, Gastrodyn, Nodapton, Robanul, Robinul, Tarodyl, Tarodyn  
**Product Use** Not available.  
**Restrictions On Use** Not available.  
**Product Code** 55-1575  
**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:** Skin irritation (Category 2), H315 Eye irritation (Category 2), H319 Specific target organ toxicity- single exposure (Category 3), H335  
**CFR 1910.1200**  
**Signal Word** WARNING

**Hazard Statement(s)** Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

**Pictogram(s) or Symbol(s)**



**Precautionary Statement(s):**

**Prevention** Avoid breathing dust  
**Response** If in eyes : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**Storage** Not available.  
**Disposal** Not available.

### Section 3: Composition/Information on Ingredients

**Substance/Mixture** Substance  
**Components** Glycopyrrolate USP  
**% By Weight** 100  
**CAS#** 596-51-0  
**Molecular Weight** 398.33 g/mole  
**Chemical Formula** C19-H28-Br-N-O3  
**Synonym(s)** 1-Methyl-3-pyrrolidyl alpha-phenylcyclopentaneglycolate methobromide; Glycopyrrolate bromide; Glycopyrronium bromide

#### Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Glycopyrrolate USP	596-51-0	100	N/A	N/A

**Section 4: First-Aid Measures**

<b>Inhalation</b>	If breathe in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
<b>Skin Contact</b>	Wash off with soap and plenty of water. Consult a physician.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water for atleast 15 minutes and consult a physician
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
<b>Symptoms/Effects</b>	
<b>Acute</b>	Not available
<b>Delayed</b>	Not available.
<b>Immediate Medical Attention</b>	
Not available.	

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

Use water spray, alcohol- resistant foam, dry chemical or carbon dioxide

**Unsuitable Extinguishing Media**

Not available.

**Products of Combustion**

Not available.

**Firefighters Special Equipment and Precautions**

Wear self contained breathing apparatus for the fire fighting if necessary

**Section 6: Accidental Release Measures**

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. Environmental precautions: Do not let product enter drains. Methods and materials for containment and cleaning up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal

**Section 7: Handling and Storage**

Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Avoid breathing dust If in eyes : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Storage: Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storing and handling recommendations. NOTE: Store in the dark.

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

<b>Exposure Limits</b>	Not available.
<b>Engineering Controls</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the work day.
<b>Personal Protection</b>	Eye/ Face protection: Use Safety glasses with side – shields. Use equipment for eye protection. Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Body protection: Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Respiratory protection: For nuisance exposures use particle respirator. For higher level protection use respirator cartridges. Use respirators and components tested and approved under appropriate government standards. Control of environmental exposure: Do not let product enter drains.

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	solid. White crystalline powder with bitter taste		
<b>Odor</b>	Not available.		
<b>Odor Threshold</b>	Not available.		
<b>Melting Point</b>	193-198 oC	<b>pH</b>	Neutral
<b>Freezing Point</b>	Not available.	<b>Vapor Pressure</b>	Not available.
<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>	White crystalline powder with bitter taste; mixes with water (1:4.2), alcohol (1:30)		
<b>Other</b>	Not available.		

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	Not available.
<b>Chemical Stability</b>	Stable under normal temperature and pressures or recommended conditions. In dry form relatively stable to light.
<b>Hazardous Polymerization</b>	Hazardous polymerisation will not occur.
<b>Conditions to Avoid</b>	Presence of incompatible materials. Product is considered stable.
<b>Incompatible Materials</b>	Strong oxidising agent
<b>Hazardous Decomposition Products</b>	Not available.

**Section 11: Toxicological Information**
**RTECS** UY4337630

**Acute Toxicity**

Acute oral toxicity (LD50): 570 mg/kg [Mouse]. May cause adverse reproductive effects based on animal test data. Potential Health Effects: Skin Contact: May cause skin irritation and reddening. Possible allergic reaction. It may be absorbed through intact skin. Eyes: May cause eye irritation. Inhalation: May cause respiratory tract irritation and difficulty in breathing. Possible allergic reaction to dust if inhaled Ingestion: May be harmful if swallowed. May cause gastrointestinal tract irritation with hypermotility, and diarrhea or constipation. May affect behavior/central nervous system (convulsions, somnolence, dizziness, slurred speech), respiration (difficulty breathing, dyspnea), eyes (mydriasis), metabolism (weight loss). Other adverse effects may include bitter taste, dryness of mouth, nose or throat, warm or flushed skin, severe tiredness or muscle weakness, rapid heartbeat, and rarely, blurred vision. Possible allergic reaction if ingested. Prolonged or repeated ingestion may affect the urinary system (bladder), endocrine system (adrenal gland, thyroid gland), blood.

**Skin Corrosion/Irritation**

Not available.

**Serious Eye Damage/Irritation**

Not available.

**Respiratory or Skin Sensitization**

Not available.

**Germ Cell Mutagenicity**

Not available.

**Carcinogenicity**

Not available.

**Reproductive Toxicity**

Not available.

**Routes of Entry**

Inhalation. Ingestion.

**Symptoms Related to Exposure**

Not available.

**Potential Health Effects**

Not available.

**Target Organ(s)**

Not available.

**Section 12: Ecological Information****Ecotoxicity**

The products of degradation are as toxic as the product itself

**Persistence and Degradability**

Not available.

**Bioaccumulative Potential**

Air.

**Mobility in Soil**

Water/Soil

**Other Adverse Effects**

Not available.

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

Recycle wherever possible. Special hazard may exist - specialist advice may be required. Consult manufacturer for recycling options. Consult State Land Waste Management Authority for disposal. Bury or incinerate residue at an approved site. Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed. Puncture containers to prevent re-use and bury at an authorised landfill. Observe local/national regulations regarding waste disposal.

**Disposal of Container**

Not available.

**Other Considerations**

Not available.

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

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**

Not available.

**Section 16: Other Information**

Not available.