

Section 1: Identification

Product Name	Glycopyrrolate USP
Commercial Name	Ascecyl, Gastrodyn, Nodapton, Robanul, Robinul, Tarodyn, 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

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

Immediate Medical Attention

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

Exposure Limits	Not available.
Engineering Controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the work day.
Personal Protection	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

Appearance	solid. White crystalline powder with bitter taste		
Odor	Not available.		
Odor Threshold	Not available.		
Melting Point	193-198 oC	pH	Neutral
Freezing Point	Not available.	Vapor Pressure	Not available.
Boiling Point/Range	Not available.	Vapor Density	Not available.
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available.	Evaporation Rate	Not available.
Flash Point	Not available.	Autoignition temperature	Not available.
Flammability	Not available.	Flammability or Explosive Limits:	
		Lower	Not available.
		Upper	Not available.
Solubility(ies)	White crystalline powder with bitter taste; mixes with water (1:4.2), alcohol (1:30)		
Other	Not available.		

Section 10: Stability and Reactivity

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