

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-596/596-51-0.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
596-51-0  
**Code:**  
M

**RTECS:**  
UY4337630  
**Code:**  
M

**Name:**  
GLYCOPYRROLATE 0.2 MG/ML

**Other REC Limits:**  
N/P

**OSHA PEL:**  
NOT ESTABLISHED  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
NOT ESTABLISHED  
**Code:**  
M

**ACGIHSTEL:**  
N/P  
**Code:**

## Control Measures

**Respiratory Protection:**  
NONE REQUIRED

**Ventilation:**  
NORMAL ROOM VENTILATION

**Protective Gloves:**  
SNONE REQUIRED

**Eye Protection:**  
SAFETY GLASSES

**Other Protective Equipment:**  
Equipment WEAR PROTECTIVE CLOTHING NECESSARY TO PREVENT PROLONGED CONTACT.

**Work Hygienic Practices:**  
USE NORMAL GOOD PERSONAL HYGIENE PRACTICE. WASH THOROUGHLY AFTER HANDLING.

**Supplemental Safety and Health:**  
N/P

## Health Hazards Data

**LD50LC50Mixture:**  
ORAL RAT LD50 1150 MG/KG

**Route Of Entry Inds - Inhalation:**  
NO

**Skin:**  
N/P

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
PRODUCT IS INJECTABLE MEDICATION. IT IS SUFFICIENTLY DILUTE AND IN SMALL ENOUGH QUANTITY TO BE OF LOW HAZARD. MFR HAS NOT TESTED THIS MEDICATION FOR SKIN ABSORBTION.

**Explanation Of Carcinogenicity:**  
N/P

**Signs And Symptons Of Overexposure:**  
3 OVERDOSAGE:EXTENSION OF ANTICHLINERGIC ACTION: DRY MOUTH,HYDRIASIS,DECREASED SWEATING,URINE RETENTION,TACHYCARDIA,INCREASED INTEROCULAR TENSION.

**Medical Cond Aggravated By Exposure:**  
GLAUCOMA,URINARY RETENTION.

**First Aid:**  
EYE:FLUSH WITH WATER 15 MIN. SKIN:WSASH WITH SOAP & WATER. TREATMENT OF OVERDOSE:USE GASTRIC LAVAGE, TREAT WITH ANTICHOLINESTERASE, PLUS SYMPTOMATIC AND SUPPORTIVE TREATMENT.

**Spill Release Procedures:**  
WIPE UP WITH ADSORBANT MATERIAL. PLACE IN APPROVED WASTE CONTAINER.

**Neutralizing Agent:**  
NONE

**Waste Disposal Methods:**  
DISPOSE I/A/W FEDERAL,STATE,LOCAL REGULATIONS.FOR BIOLOGICALLY ACTIVE MATERIALS.

**Handling And Storage Precautions:**  
STORE AT ROOM TEMPERATURES.(BETWEEN 59 AND 86 DEGREES)

**Other Precautions:**  
N/P

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
NONE

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/R

**Upper Limits:**  
N/R

**Extinguishing Media:**  
USE MEDIA APPROPRIATE FOR SURROUNDING FIRE. 4

**Fire Fighting Procedures:**  
NONE

**Unusual Fire/Explosion Hazard:**  
NONE

## Physical/Chemical Properties

**HCC:**  
N1

**NRC/State LIC No:**  
N/R

**Net Prop WT For Ammo:**  
5

**Boiling Point:**

**B.P. Text:**  
212F/100C

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
N/K

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
N/K

**Vapor Density:**  
N/K

**Volatile Org Content %:**

**Spec Gravity:**  
1.0

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
N/K

**Solubility in Water:**  
SOLUBLE

**Appearance and Odor:**  
CLEAR,COLORLESS SOLUTIN

**Percent Volatiles by Volume:**  
N/K

**Corrosion Rate:**  
N/P

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
PROTECT FROM FREEZING.

**Materials To Avoid:**  
N/K

**Hazardous Decomposition Products:**  
N/K

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
N/R

## Toxicological Information

**Information:**N/P

## MSDS Transport Information

**Information:**N/P

## Regulatory Information

**Sara Title III Information:** N/P

**Federal Regulatory Information:** N/P

**State Regulatory Information:** N/P

## Other Information

**Other Information:**N/P



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