

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-51/51-55-8.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

51-55-8

**Code:**

M

**RTECS:**

CK0700000

**Code:**

M

**Name:**

ATROPINE

**Other REC Limits:**

NONE RECOMMENDED

**OSHA PEL:**

NOT ESTABLISHED

**Code:**

M

**OSHA STEL:****Code:****ACGIH TLV:**

NOT ESTABLISHED

**Code:**

M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**

NONE NORMALLY REQUIRED. IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR EMERGENCY OCCURS; USE NIOSH/MSHA APPROVED RESPIRATOR OR SUPPLIED AIR RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134.

**Ventilation:**

NONE NORMALLY REQUIRED (WHEN USING/HANDLING AUTOINJECTOR).

**Protective Gloves:**

LATEX SURGICAL, AS A MINIMUM

**Eye Protection:**

SAFETY GOGGLES

**Other Protective Equipment:**

Equipment DISPOSABLE PROTECTIVE APPAREL

**Work Hygienic Practices:**

WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

**Supplemental Safety and Health:**

SYRINGE IS PART OF NERVE AGENT ANTIDOTE KIT, NSN: 6505-01-174-9919.

## Health Hazards Data

**LD50/LC50 Mixture:**

ORAL LD50 (RAT) IS 620 MG/KG

**Route Of Entry/Inds - Inhalation:**

YES

**Skin:**

YES

**Ingestion:**

YES

**Carcinogenicity/Inds - NTP:**

NO

**IARC:**

NO

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

ACUTE: MAY BE HARMFUL IF INHALED, ABSORBED THROUGH SKIN, OR SWALLOWED. CHRONIC: UNKNOWN.

**Explanation Of Carcinogenicity:**

ATROPINE IS NOT LISTED BY NTP, IARC, OR OSHA AS A CARCINOGEN.

**Signs And Symptoms Of Overexposure:**

2 DELERIUM, TACHYCARDIA, AND FEVER.

**Medical Cond Aggravated By Exposure:**

NONE SPECIFIED BY MANUFACTURER.

**First Aid:**

INHALED: REMOVE PERSON TO FRESH AIR. SEEK MEDICAL ATTENTION. INGESTED: FLUSH MOUTH WITH WATER. SEEK MEDICAL ATTENTION. EYES: FLUSH WITH LOTS OF WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. FLUSH AREA WITH WATER. SEEK MEDICAL ATTENTION.

**Spill Release Procedures:**

WEAR RECOMMENDED PROTECTIVE EQUIPMENT. VACUUM SPILLAGE WITH VACUUM CLEANER WITH HEPA FILTER OR ABSORB LIQUID WITH PAPER TOWELS. WIPE WORKING SURFACES TO DRYNESS, THEN WASH WITH SOAP AND WATER.

**Neutralizing Agent:**

NONE SPECIFIED BY MANUFACTURER.

**Waste Disposal Methods:**

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

**Handling And Storage Precautions:**

AVOID ALL CONTACT AND INHALATION OF DUST, FUMES, MISTS, AND/OR VAPORS ASSOCIATED WITH THE PRODUCT.

**Other Precautions:**

NONE SPECIFIED BY MANUFACTURER.

## 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 3

**Extinguishing Media:**

MEDIA APPROPRIATE FOR SURROUNDING FIRE.

**Fire Fighting Procedures:**

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

**Unusual Fire/Explosion Hazard:**

ATROPINE EMITS TOXIC FUMES WHEN HEATED TO DECOMPOSITION OR FIRE CONDITIONS.

## Physical/Chemical Properties

**HCC:**

T6

**NRC/State Lic No:**

N/R

**Net Prop WT For Ammo:****Boiling Point:****B.P. Text:**

UNKNOWN

**Melt/Freeze Pt:****M.P./F.P. Text:**

UNKNOWN

**Decomp Temp:****Decomp Text:**

UNKNOWN

**Vapor Pres:**

UNKNOWN

**Vapor Density:**

UNKNOWN

**Volatile Org Content %:****Spec Gravity:**

UNKNOWN

**VOC Pounds/Gallon:****PH:**

4-5

**VOC Grams/Liter:****Evaporation Rate & Reference:**

UNKNOWN

**Solubility in Water:**

SLIGHT

**Appearance and Odor:**

ACUTE: COLORLESS TO SLIGHTLY YELLOW SOLUTION

**Percent Volatiles by Volume:****Corrosion Rate:**

UNKNOWN

## Reactivity Data

**Stability Indicator:**

YES

**Stability Condition To Avoid:**

EXPOSURE TO LIGHT MAY CAUSE DECOMPOSITION.

**Materials To Avoid:**

NONE SPECIFIED BY MANUFACTURER.

**Hazardous Polymerization Indicator:**

NO

**Conditions To Avoid Polymerization:**

NONE

## 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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