

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-232/23239-51-2.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
23239-51-2
Code:
M

RTECS:
DO6524000
Code:
M

Name:
RITODRINE HYDROCHLORIDE

Other REC Limits:
NONE RECOMMENDED

OSHA PEL:
NOT ESTABLISHED
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
NOT ESTABLISHED
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
NIOSH APPROVED RESPIRATOR.

Ventilation:
LOCAL EXHAUST RECOMMENDED.

Protective Gloves:
DISPOSABLE SURGICAL LATES GLOVES

Eye Protection:
SAFETY GOGGLES

Other Protective Equipment:
Equipment DISPOSABLE PROTECTIVE APPAREL (PROTECT EXPOSED SKIN).

Work Hygienic Practices:
MFR: ? HMIS:USE STRICT CHEMICAL HYGIENE PRACTICE. AVOID UNNECESSARY EXPOSURE. WASH THOROUGHLY BEFORE EATING OR DRINKING.

Supplemental Safety and Health:
NONE

Health Hazards Data

LD50LC50Mixture:
LD50 (ORAL RAT) IS UNKNOWN

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
ACUTE-EYE, SKIN AND/OR RESPIRATORY TRACT IRRITATION. CHRONIC-POSSIBLE HYPERSENSITIZATION.

Explanation Of Carcinogenicity:
MANUFACTURER GAVE NO COMMENTS OTHER THAN THE ABOVE REFERENCES TO THE THREE LISTINGS.

Signs And Symptions Of Overexposure:
ACUTE-EYE, SKIN AND/OR RESPIRATORY TRACT IRRITATION. CHRONIC-POSSIBLE HYPERSENSITIZATION. 2

Medical Cond Aggravated By Exposure:
MFR GAVE NO INFORMATION ON MSDS..

First Aid:
INHALED:REMOVE PERSON TO FRESH AIR. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ATTENTION. INGESTED:FLUSH MOUTH OUT W/WATER. GET MEDICAL ATTENTION. SKIN:REMOVE CONTAMINATED CLOTHING. FLUSH AREA W/WATER. GET MEDICAL ATTENTION. EYE:FLUSH W/WATER. GET MEDICAL ATTENTION.

Spill Release Procedures:
WEAR PROTECTIVE EQUIPMENT. VACUUM SPILLAGE W/VACUUM CLEANER W/HEPA FILTER OR ABSORB LIQUID W/PAPER TOWELS. WIPE WORKING SURFACES TO DRYNESS, THEN WASH W/SOAP & WATER.

Neutralizing Agent:
MFR GAVE NO INFORMATION ON MSDS.

Waste Disposal Methods:
THOUGH NOT EPA REGULATED, WASTE SHOULD BE DISPOSED OF I/A/W FEDERAL, STATE & LOCAL REGULATIONS.

Handling And Storage Precautions:
AS A GENERAL RULE, SHEN HANDLING PHARMACEUTICAL PRODUCTS, AVOID ALL CONTACT AND INHALATION OF DUST,FUMES,MISTS &/OR VAPORS ASSOCIATED W/THE PRODUCT.

Other Precautions:
NONE

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
N/A

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/A

Upper Limits:
N/A

Extinguishing Media:
3 WATER SPRAY, CARBON DIOXIDE, FOAM, DRY CHEMICAL OR FOAM AS APPROPRIATE FOR SURROUNDING FIRE AND MATERIALS.

Fire Fighting Procedures:
FIREFIGHTERS SHOULD USE SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:
EMITS TOXIC FUMES.

Physical/Chemical Properties

HCC:
N1

NRC/State LIC No:
NONE 4

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/A

Melt/Freeze Pt:

M.P/F.P Text:
UNKNOWN

Decomp Temp:

Decomp Text:
UNKNOWN

Vapor Pres:
N/A

Vapor Density:
N/A

Volatile Org Content %:

Spec Gravity:
UNKNOWN

VOC Pounds/Gallon:

PH: 5

VOC Grams/Liter:

Viscosity:
UNKNOWN

Evaporation Rate & Reference:
UNKNOWN

Solubility in Water:
SOLUBLE

Appearance and Odor:
CLEAR, COLORLESS SOLUTION, ODORLESS

Percent Volatiles by Volume:
N/K

Corrosion Rate:
UNKNOWN

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
DO NOT USE I DISCOLORED OR CONTAINS A PRECIPITATE.

Materials To Avoid:
MFR GAVE NO INFORMATION ON MSDS.

Hazardous Decomposition Products:
RITODRINE HYDROCHLORIDE EMITS TOXIC FUMES WHEN HEATED TO DECOMPOSITION.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
WILL NOT OCCUR.

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