

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-949/949-36-0.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
949-36-0
Code:
M

RTECS:
DO1930000
Code:
M

Name:
ISOPROTERENOL 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:
2

Control Measures

Respiratory Protection:
NONE NORMALLY REQUIRED.

Ventilation:
NONE NORMALLY REQUIRED.

Protective Gloves:
NONE NORMALLY REQUIRED.

Eye Protection:
NONE NORMALLY REQUIRED.

Other Protective Equipment:
Equipment NONE NORMALLY REQUIRED.

Work Hygienic Practices:
WASH HANDS AFTER USE AND BEFORE EATING DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES AND CLEAN EQUIPMENT .

Supplemental Safety and Health:
THERAPUTIC CLASS: BRONCHODILATOR.

Health Hazards Data

LD50LC50Mixture:
ORAL LD50 (RAT) IS UNKNOWN

Route Of Entry Inds - Inhalation:
NO

Skin:
YES

Ingestion:
NO

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
OCCUPATIONAL HEALTH: MILD SKIN AND EYE IRRITATION ON CONTACT. THERAPUTIC SIDE EFFECTS ARE: TACHYCARDIA, PALPITATION,NERVOUSNESS, NAUSEA, AND SWEATING.

Explanation Of Carcinogenicity:
NONE

Signs And Symptions Of Overexposure:
SKIN: RASH, ITCHING. EYES: TEARING, REDNESS.

Medical Cond Aggravated By Exposure:
3 NONE SPECIFIED BY MANUFACTURER.

First Aid:
EYES: FLUSH WITH LOTS OF WATER FOR 15 MINUTES. SEE DOCTOR. SKIN: WASH WITH SOAP AND WATER UNTIL FREE OF RESIDUE. INHALED: REMOVE TO FRESH AIR. SEE DOCTOR. INGESTION: FOR OVERDOSE, SEEK PROMPT MEDICAL ATTENTION.

Spill Release Procedures:
PREVENT EXPOSURE. WIPE OR MOP UP SPILLED MATERIAL AND PLACE IN A CONTAINER FOR LATER DISPOSAL. WASH CONTAMINATED SURFACES WITH SOAP AND WATER.

Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:
DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. MANUFACTURER RECOMMENDS INCINERATION IN A PERMITTED FACILITY.

Handling And Storage Precautions:
STORE AS STATED ON MANUFACTURER'S PRODUCT LABELING.

Other Precautions:
MATERIAL SHOULD BE HANDLED SO AS TO AVOID SKIN AND EYE CONTACT.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
UNKNOWN

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
UNKNOWN

Upper Limits:
UNKNOWN

Extinguishing Media:
CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER SPRAY

Fire Fighting Procedures:
4 WEAR SELF-CONTAINED BREATHING APPARATUS AND BUNKER GEAR.

Unusual Fire/Explosion Hazard:
NONE SPECIFIED BY MANUFACTURER.

Physical/Chemical Properties

HCC:
C3

NRC/State LIC No:
N/R

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
UNKNOWN 5

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:
1.034

VOC Pounds/Gallon:

PH: >2.4

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
UNKNOWN

Solubility in Water:
UNKNOWN

Appearance and Odor:
CLEAR, COLORLESS TO FAINT YELLOW, ODORLESS SOLUTION

Percent Volatiles by Volume:
N/K

Corrosion Rate:
UNKNOWN

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid:
NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:
OXIDES OF CARBON

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