

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-230/23031-32-5.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
23031-32-5
Code:
M
RTECS:

Code:
X
Name:
TERBUTALINE SULFATE
Other REC Limits:
NONE RECOMMENDED 3
OSHA PEL:
NOT ESTABLISHED
Code:
M
OSHA STEL:

Code:

ACGIH TLV:
NOT ESTABLISHED
Code:
M
ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
5 NOT REQUIRED UNDER NORMAL CONDITIONS OF THERAPEUTIC USE.
Ventilation:
NOT REQUIRED UNDER NORMAL CONDITIONS OF THERAPEUTIC USE.
Protective Gloves:
NOT REQUIRD UNDER NORMAL THERAPEUTIC USE
Eye Protection:
NOT REQUIRD UNDER NORMAL THERAPEUTIC USE
Other Protective Equipment:
Equipment NONE
Work Hygienic Practices:
MFR: ? HMIS:USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID UNNECESSARY CONTACT. WASH THOROUGHLY BEFORE EATING OR DRINKING.
Supplemental Safety and Health:
NONE

Health Hazards Data

LD50LC50Mixture:
LD50 (ORAL RAT) IS 8700 MG/KG
Route Of Entry Inds - Inhalation:
N/P
Skin:
N/P
Ingestion:
N/P
Carcinogenicity Inds - NTP:
NO
IARC:
NO
OSHA:
NO
Health Hazards Acute And Chronic:
FINISHED PHARMACEUTICAL PRODUCT. REFER TO PHYSICIANS DESK REFERENCE. SLIGHTLY TOXIC. EXPERIMENTAL CARCINOGEN.
Explanation Of Carcinogenicity:
MFR CLAIMS AN "EXPERIMENTAL CARCINOGEN" ALTHOUGH IT COULDN'T BE FOUND ON ANY OF THE 3 LISTS.
Signs And Symptions Of Overexposure:
BRETHAIRE IS A FINISHED PHARMACEUTICAL PRODUCT. SIDE EFFECTS OF THERAPEUTIC USE AS A BRONCHIODILATOR MAY INCLUDE CARDIOVASCULAR EFFECTS, HEADACHE, NAUSEA AND DYSYPNEA. CARCINOGENESIS BIOASSAY SHOWED DR UG RELATED CHANGES IN FEMALE GENITAL SYSTEM IN RATS.
Medical Cond Aggravated By Exposure:
PRE-EXISTING CARDIOVASCULAR DISEASE, HYPER THYROIDISM, DIABETES MELLITUS, HYPERSENSITIVITY TO ANY COMPONENT.
First Aid:
INHALED:REMOVE TO FRESH AIR. EYE:FLUSH WITH RUNNING WATER FOR 15 MINUTES. SKIN:WASH CONTAMINATED AREA WITH SOAP AND WATER.
Spill Release Procedures:
4 USING APPROPRIATE PROTECTIVE EQUIPMENT, SWEEP UP AND CONTAINERIZE SPILLED MATERIAL. RESIDUES MAY BE FLUSHED TO THE SANITARY SEWER WITH WATER.
Neutralizing Agent:
NO INFORMATION GIVEN ON MSDS BY MFR.
Waste Disposal Methods:
ALL WASTES WILL BY SENT TO AN APPROPRIATE, APPROVED DISPOSAL FACILITY FOLLOWING STANDARD OPERATING PROCEDURES. EPA HAZARDOUS WASTE NUMBER: NONE
Handling And Storage Precautions:
SUPPLIER DID NOT ADDRESS THIS FIELD. STORE BETWEEN 59-86F.
Other Precautions:
NOTE TO PHYSICIAN: BRETHAIRE IS A BETA-ADRENERGIC-RECEPTOR AGONIST.

Fire and Explosion Hazard Information

Flash Point Method:
N/P
Flash Point:

Flash Point Text:
NOT AVAILABLE
Autoignition Temp:

Autoignition Temp Text:
N/A
Lower Limits:
N.AV.
Upper Limits:
N.AV.
Extinguishing Media:
USE MEDIA SUITABLE FOR FIRE IN SURROUNDING AREA.
Fire Fighting Procedures:
WEAR FULL PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:
DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME. EXPOSURE TO TEMPERATURES >120F MAY CAUSE BURSTING.

Physical/Chemical Properties

HCC:
V2
NRC/State LIC No:
NONE
Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
"N/A"
Melt/Freeze Pt:

M.P/F.P Text:
"N/A"
Decomp Temp:

Decomp Text:
"N/A"
Vapor Pres:
"N/A"
Vapor Density:
"N/A"
Volatile Org Content %:

Spec Gravity:
"N/A"
VOC Pounds/Gallon:

PH: "N/A" 6
VOC Grams/Liter:

Viscosity:
"N/A"
Evaporation Rate & Reference:
"N/A"
Solubility in Water:
"N/A"
Appearance and Odor:
CANISTER OR REFILL FOR INHALATION
Percent Volatiles by Volume:
"N/A"
Corrosion Rate:
"N/A"

Reactivity Data

Stability Indicator:
YES
Stability Condition To Avoid:
STORE BETWEEN 59-86F. CONTENTS UNDER PRESSURE - DO NOT PUNCTURE. EXPOSURE TO TEMPERATURES >120F MAY CAUSE BURSTING.
Materials To Avoid:
NO INFORMATION GIVEN ON MSDS BY MFR.
Hazardous Decomposition Products:
NOT AVAILABLE
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