

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-318/318-98-9.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

318-98-9

Code:

M

RTECS:

UB7525000

Code:

M

Name:

PROPANALOL HYDROCHLORIDE

Other REC Limits:

NONE RECOMMENDED

OSHA PEL:

NOT ESTABLISHED

Code:

M

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

NOT ESTABLISHED

Code:

M N/P

ACGIH STEL:

EPA Rpt Qty: DOT Rpt Qty: Ozone Depleting Chem

Code:

1 ACGIH STEL:

Control Measures

Respiratory Protection:

WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE A NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC VAPORS, DUSTS AND MISTS.

Ventilation:

LOCAL VENTILATION AT THE WORKSITE; MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV/PEL.

Protective Gloves:

IMPERVIOUS

Eye Protection:

CHEMICAL SPLASH GOGGLES

Other Protective Equipment:

Equipment PROVIDE A LOCAL EYE WASH STATION.

Work Hygienic Practices:

USE REASONABLE CARE IN HANDLING THIS PRODUCT. WASH HANDS AFTER USE AND BEFORE EATING. 3

Supplemental Safety and Health:

NONE

Health Hazards Data

LD50/LC50/Mixture:

ORAL LD50 (RBT) IS 600MG/KG

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

BETA-ADRENERGIC BLOCKING AGENT SYSTEMIC TOXICITY MAY OCCUR BY INHALATION, EYE CONTACT OR INGESTION. SKIN: MAY CAUSE IRRITATION. MAY CAUSE LUNG DAMAGE IF VOMITED AFTER INJECTING.

Explanation Of Carcinogenicity:

THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP, IARC OR OSHA.

Signs And Symptoms Of Overexposure:

EYES: MAY REDUCE OCULAR PRESSURE. SYSTEMIC TOXICITY: RESPIRATORY DEPRESSION, HYPOGLYCEMIA, SLOW OR IRREGULAR HEARTBEAT, CNS EFFECTS (DIZZINESS, DROWSINESS, DELIRIUM, CONVULSIONS, CATATONIA), DILATED PUPILS, DRY MOUTH, TASTE DISTORTIONS, HEARTBURN, GASTRIC PAIN, NAUSEA, VOMITING.

Medical Cond Aggravated By Exposure:

PERSONS WITH PRE-EXISTING HEARTAILMENTS, MYASTHENIA GRAVI OR PREVIOUS SENSITIZATION TO THIS DRUG MAY BE AT INCREASED RISK FROM EXPOSURE.

First Aid:

SKIN: REMOVE CONTAMINATED CLOTHING; WASH WITH SOAP AND WATER. EYES: FLUSH WITH NORMAL SALINE OR WATER FOR 15 MINUTES. INHAL: REMOVE TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL RESPIRATION OR GET MEDICAL ATTENTION IF NEEDED. INGEST: DO NOT INDUCE VOMITING. GET PROMPT QUALIFIED MEDICAL ATTENTION. IF SPONTANEOUS VOMITING OCCURS, KEEP HEAD LOWER THAN HIPS. TREAT SUPPORTIVELY AND SYMPTOMAICALLY.

Spill Release Procedures:

SOAK UP WITH NON-COMBUSTIBLE INERT ADSORBANT (EG. CLAY); PLACE COLLECTED MATERIAL IN AN APPROPRIATE CONTAINER FOR DISPOSAL; CLEAN SPILL AREA TO REMOVE SLIPPERINESS.

Neutralizing Agent:

NOT APPLICABLE. 2

Waste Disposal Methods:

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

Handling And Storage Precautions:

STORE IN A COOL, DRY, WELL-VENTILATED PLACE. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP AWAY FROM HEAT AND INCOMPATIBLE MATERIALS.

Other Precautions:

FOLLOW LABEL DIRECTIONS.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:**Flash Point Text:**

NONE

Autoignition Temp:**Autoignition Temp Text:**

N/K

Lower Limits:

N/K

Upper Limits:

N/K

Extinguishing Media:

WATER, DRY CHEMICAL, CARBON DIOXIDE, FOAM.

Fire Fighting Procedures:

USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT. COOL FIRE EXPOSED CONTAINERS WITH WATER. FOG.

Unusual Fire/Explosion Hazard:

FIRE CONDITIONS MAY EVOLVE TOXIC FUMES.

Physical/Chemical Properties

HCC:

N1

NRC/State Lic No:

N/R

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

N/K

Melt/Freeze Pt:

N/K

Decomp Temp:**Decomp Text:**

UNKNOWN

Vapor Pres:

N/K

Vapor Density:

N/K

Volatile Org Content %:**N/K Spec Gravity:**

N/K

VOC Pounds/Gallon:**pH:**

3-3.8

VOC Grams/Liter:**Viscosity:**

N/K

Evaporation Rate & Reference:

N/K

SOLUBLE in Water:

SOLUBLE

Appearance and Odor:

SOLUTION, CLEAR, ODOR NOT REPORTED.

Percent Volatiles by Volume:

N/K

Corrosion Rate:

UNKNOWN

Conditions To Avoid Polymerization:

N/R

Reactivity Data

Stability Indicator:

YES

Stability Specified By Manufacturer:

NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid:

ACIDS, BASES AND OXIDIZERS.

Hazardous Decomposition Products:

UNIDENTIFIED TOXIC MATERIALS.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

N/R

Toxicological Information

Information: N/P**Information:** N/P

MSDS Transport Information

Information: N/P**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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