

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-67/67-92-5.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
67-92-5
Code:
M

RTECS:
DT7350000
Code:
M

Name:
DIETHYLAMINO ETHYL ESTER, HYDROCHLORIDE (BICYCLOH

Other REC Limits:
N/K

OSHA PEL:
N/K
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
N/K
Code:
M N/P

ACGIHSTEL:
EPA Rpt Qty: DOT Rpt Qty: Ozone Depleting Chem
Code:
1 ACGIH STEL:

Control Measures

Respiratory Protection:
WEAR NIOSH APPROVED RESPIRATOR.

Ventilation:
ADEQUATE. LOCAL EXHAUST/MECHANICAL (GENERAL): RECOMMENDED.

Protective Gloves:
RUBBER

Eye Protection:
SAFETY GOGGLES

Other Protective Equipment:
Equipment APPROPRIATE LABORATORY APPAREL

Work Hygienic Practices:
REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health:
3 INDIVIDUALS WORKING W/CHEMICALS SHOULD CONSIDER ALL CHEMICALS TO BE POTENTIALLY HAZARDOUS EVEN IF THEIR INDIVIDUAL HAZARDS MAY BE UNCHARACTERIZED/UNKNOWN. HEALTH HAZARDS CONT'D: HOWEVER, IN RETROSPECT IVE STUDIES THERE HAS BEEN NO EVIDENCE OF DICYCLOMINE CAUSING ANY UNTOWARD EFFECT ON THE EMBRYO.

Health Hazards Data

LD50LC50Mixture:
ORAL LD50 (RAT): 1290 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:
INHALATION: SEVERE ALLERGIC REACTION, CNS STIMULATION, IRRITATION OF RESPIRATORY TRACT/MUCOUS MEMBRANES. EYES: IRRITATION. SKIN: ALLERGIC REACTION, IRRITATION, HYPERSENSITIZATION. INGESTION: ALLERGIC REACTION. DICYCLOMINE HAS BEEN ASSOCIATED IN SEVERAL ISOLATED CASES W/HUMAN MALFORMATIONS. (SEE SUPP)

Explanation Of Carcinogenicity:
NONE

Signs And Symptoms Of Overexposure:
IRRITATION, DRY MOUTH, DIFFICULTY SWALLOWING, BLURRED VISION, DILATED PUPILS, SKIN FLUSHING, INCREASED PULSE RATE, DIZZINESS, INSOMNIA, CONSTIPATION, HEADACHE, NAUSEA, VOMITING, IMPOTENCE.

Medical Cond Aggravated By Exposure:
HYPERSENSITIVITY TO MATERIAL

First Aid:
INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN IF NEEDED. EYES/SKIN/INGESTION: FLUSH W/COPIOUS AMOUNTS OF WATER. HYPERSENSITIVITY REACTIONS MUST RECEIVE IMMEDIATE MEDICAL ATTENTION. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Spill Release Procedures:
WEAR APPROVED RESPIRATOR & CHEMICALLY COMPATIBLE GLOVES. VACUUM/SWEEP UP. AVOID DUST. PLACE MATERIAL IN APPROPRIATE CONTAINER FOR WASTE DISPOSAL.

Neutralizing Agent:
N/K

Waste Disposal Methods:
2 DISPOSE OF JAW/FEDERAL, STATE & LOCAL REGULATIONS.

Handling And Storage Precautions:
STORE IN TIGHT CONTAINER. SHOULD BE HANDLED/STORED PER LABEL/OTHER INSTRUCTIONS TO ENSURE PRODUCT INTEGRITY. USE W/ADEQUATE VENTILATION.

Other Precautions:
AVOID CONTACT W/EYES, SKIN/CLOTHING. AVOID BREATHING DUST/MIST. USE W/ADEQUATE DUST CONTROL. DON'T PERMIT EATING/DRINKING/SMOKING NEAR MATERIAL.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
N/K

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/K

Upper Limits:
N/K

Extinguishing Media:
WATER SPRAY, DRY CHEMICAL, CO2, FOAM AS APPROPRIATE FOR SURROUNDING FIRE/MATERIALS.

Fire Fighting Procedures:
EVACUATE AREA. WEAR SELF CONTAINED BREATHING APPARATUS & PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:
MATERIAL IS ASSUMED TO BE COMBUSTIBLE. AS W/ALL DRY POWDERS IT'S ADVISABLE TO GROUND MECHANICAL EQUIPMENT IN CONTACT W/DRY MATERIAL TO DISSIPATE STATIC.

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/K

Melt/Freeze Pt:

M.P/F.P Text:
N/K

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
N/K

Vapor Density:
N/K

Volatile Org Content %:

Spec Gravity:
N/K

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
N/K

Solubility in Water:
COMPLETE

Appearance and Odor:
WHITE CRYSTALLINE POWDER W/PRACTICALLY NO ODOR

Percent Volatiles by Volume:
N/K

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
N/K

Materials To Avoid:
N/K

Hazardous Decomposition Products:
TOXIC FUMES, HYDROGEN CHLORIDE, NITROGEN OXIDES.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
N/K

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