MATERIAL SAFETY DATA SHEET

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

Click http://www.lookchem.com/cas-76/76-57-3.html for suppliers of this product.

Composition/Information on Ingredient

Cas:
76-57-3
Code:
M

RTECS:
QD8930000
Code:
M

Name:
CODEINE *95-2*

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:
CARTRIDGE TYPE RESPIRATOR W/ORGANIC VAPOR CARTRIDGES RECOMMENDED.

Ventilation:
LOCAL EXHAUST: USE W/FORCED VENTILATION. MECHANICAL (GENERAL): NORMAL LABORATORY AIR EXCHANGE.

Protective Gloves:
POLY VINYL CHLORIDE/NEOPRENE OVER LATEX

Eye Protection:
N/K

Other Protective Equipment:
Equipment N/K

Work Hygienic Practices:
ONLY EXPERIENCED PERSONNEL SHOULD BE ALLOWED TO HANDLE THIS MATERIAL.

Supplemental Safety and Health:
THE PHYSICAL/CHEMICAL CHARACTERISTIC & FIRE/EXPLOSION DATA INFORMATION IS FOR METHANOL. HLTH HZRDS CONT'D: EUPHORIA, PUPILLARY CONSTRICTION, URINARY RETENTION, 3 HYPOTHERMIA, APATHY, LETHARGY, MENTAL CL OUDING, HYPOTENSION, MUSCLE WEAKNESS, TREMORS, PINPOINT PUPILS & DELIRIUM. MATERIALS TO AVOID CONT'D: HEAVY METALS.

Health Hazards Data

LD50LC50Mixture:
N/P

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
METHANOL:SKIN: IRRITATION & ABSORPTION. EYES: IRRITATION, CORNEAL DAMAGE & CNS DEPRESSION. CODEINE-MAY RESULT IN HABITUATION & ADDICTION. INHALATION: RESPIRATORY DEPRESSION, PULMONARY EDEMA, RESPIRATO RY FAILURE & DEATH. INGESTION: GI DISTRESS, CNS DEPRESSION.

Explanation Of Carcinogenicity:
NONE

Signs And Symptions Of Overexposure:
METHANOL CAUSES BLINDNESS. IRRITATION, NARCOSIS, SHOCK, CONVULSIONS, COMA, EDEMA, BURNING SENSATION, COUGHING, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA, VOMITING, CONVULSIONS, FATIG UE, DROWSINESS, CONSTIPATION, DIZZINESS, PALPITATIONS, PRURITUS, RESTLESSNESS, EXCITEMENT, VERTIGO, MYDRIASIS.(SEE SUPP)

Medical Cond Aggravated By Exposure:
N/K

First Aid:
INGESTION: GIVE LARGE QUANTITIES OF LIQUID. SKIN: WASH AREAS W/LARGE AMOUNTS OF WATER. INHALATION: IF BREATHING HAS SPED, GIVE CPR IF NEEDED. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Spill Release Procedures:
REMOVE SOURCES OF IGNITION. USE ABSORBENT PAPER TO PICK UP MATERIAL. SOAK ABSORBENT PAPER IN AN APPROPRIATE SOLVENT SUCH AS TOLUENE/ALCOHOL TO PICK UP REMAINING TRACES.

Neutralizing Agent:
N/K

Waste Disposal Methods:
2 WASTE MATERIALS SHOULD BE DISPOSED OF IAW/FEDERAL, STATE & LOCAL REGULATIONS.

Handling And Storage Precautions:
STORE AT 32F. PROTECT FROM LIGHT.

Other Precautions:
AVOID INHALATION OF VAPORS.

Fire and Explosion Hazard Information

Flash Point Method:
CC

Flash Point:

Flash Point Text:
52F

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
6

Upper Limits:
36.5

Extinguishing Media:
DRY CHEMICAL, CO2, HALON

Fire Fighting Procedures:
N/K

Unusual Fire/Explosion Hazard:
FLASHBACK ALONG VAPOR TRAIL MAY OCCUR.

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
148F (SUPP)

Melt/Freeze Pt:

M.P/F.P Text:
-144.4F

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
97

Vapor Density:
1.11

Volatile Org Content %:

Spec Gravity:
0.7913

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
(BU AC = 1): 5.9

Solubility in Water:
COMPLETE

Appearance and Odor:
CLEAR COLORLESS LIQUID W/SLIGHT ALCOHOLIC ODOR

Percent Volatiles by Volume:
N/K

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
HEAT, SPARKS/OTHER SOURCES OF IGNITION, LIGHT.

Materials To Avoid:
ACIDS, ACID CHLORIDES, ACID ANHYDRIDES, OXIDIZING AGENTS, REDUCING AGENTS, ALKALI METALS, BROMIDES, IODIDES/SALTS (SUPP)

Hazardous Decomposition Products:
CO, CO2, 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

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