

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-466/466-97-7.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
466-97-7
Code:
M
RTECS:
QC7814000
Code:
M
Name:
NORMORPHINE *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. 3

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. NORMORPHINE-TOXIC EFFECTS.

Explanation Of Carcinogenicity:
NONE

Signs And Symptoms Of Overexposure:
METHANOL CAUSES BLINDNESS. IRRITATION, NARCOSIS, BURNING SENSATION, COUGHING, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA, VOMITING, CONVULSIONS, FATIGUE, DROWSINESS.

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

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.

Hazardous Decomposition Products:
CO, CO2

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
N/K

Toxicological Information

Information:N/P

MSDS Transport Information

Information:N/P

Regulatory Information

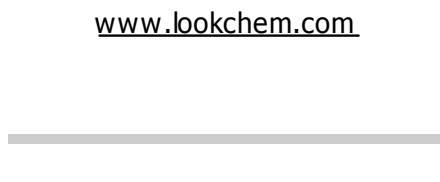
Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information

Other Information:N/P



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WARRANTY

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