

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-672/67293-88-3.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

67293-88-3

**Code:**

M

**RTECS:**

QC8800000

**Code:**

M

**Name:**

MORPHINE-D3 \*95-2\*

**Other REC Limits:**

N/K

**OSHA PEL:**

N/K

**Code:**

M

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

N/K

**Code:**

M N/P

**ACGIH STEL:**

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 HZRD'S CONT'D: DIZZINESS, APATHY, LETHARGY, MENTAL CLOUDING, 3 HYPOTENSION, WEAKNESS, INSOMNIA, AGITATION, VISUAL DISTURBANCES, DRYNESS, LOSS OF APPETITE, PALPITATIONS, FAINTING, RASHES, CONSTIPATION, TOLERANCES.

## Health Hazards Data

**LD50/LC50 Mixture:**

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. MORPHINE-D3 MAY CAUSE HABITUATION & ADDICTION. INHALATION: PULMONARY EDEMA, RESPIRATORY FAILURE & CNS DEPRESSION.

**Explanation Of Carcinogenicity:**

NONE

**Signs And Symptoms Of Overexposure:**

METHANOL CAUSES BLINDNESS. IRRITATION, NARCOSIS, CIRCULATORY COLLAPSE, CARDIAC ARREST, SHOCK, COMA, CONVULSIONS, BURNING SENSATION, COUGHING, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA, VOMITING, CONVULSIONS, FATIGUE, EUPHORIA, PUPILLARY CONSTRICTION, URINARY RETENTION, HYPOTHERMIA, DROWSINESS. (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 STOPPED, 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:**

52F

**Flash Point Text:**

52F

**Autoignition Temp:**

N/A

**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:**

N/P

**Boiling Point:**

148F (SUPP)

**Melt/Freeze Pt:**

Melt/Freeze Pt

**-144/4F Text:**

-144/4F

**Decomp Temp:**

N/K

**Decomp Text:**

N/K

**Vapor Pres:**

97

**Vapor Density:**

1.11

**Volatile Org Content %:**

N/A

**Spec Gravity:**

0.7913

**VOC Pounds/Gallon:**

N/A

**PH:**

N/K

**VOC Grams/Liter:**

N/A

**Viscosity:**

N/P

**Evaporation Rate & Reference:**

(BUAC = 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, ALKALI METALS.

**Hazardous Decomposition Products:**

CO, CO2, NITROGEN OXIDES.

**Hazardous Polymerization Indicator:**

NO

**Conditions To Avoid Polymerization:**

N/K

## Toxicological 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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