

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-467/467-15-2.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

467-15-2

**Code:**

M

**RTECS:**

QD0877000

**Code:**

M

**Name:**

NORCODEINE \*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. 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. NORCODEINE-IS ASSUMED TO HAVE 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 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:**

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:**

144.4F

**Decomp Temp:**

**Decomp Text:**

N/K

**Vapor Pres:**

97

**1.11**

**Volatile Org Content %:**

**Spec Gravity:**

0.7913

**VOC Pounds/Gallon:**

**PH:**

N/K

**VOC Grams/Liter:**

N/P

**Viscosity:**

N/P

**Evaporation Rate & Reference:**

(BUAC = 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

**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, NITROGEN OXIDES

**Hazardous Polymerization Indicator:**

NO

**Conditions To Avoid Polymerization:**

N/K

**Neutralizing Agent:**

N/P

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