

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-647/64742-94-5.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

64742-94-5

**Code:**

M

**RTECS:****Code:**

X

**Name:**

NAPHTHA-PETROLEUM DISTILLATES

**Other REC Limits:**

TWA: 400 PPM (DOW)

**OSHA PEL:**

400 PPM

**Code:**

M

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

300 PPM 9394

**Code:**

M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**

USE NIOSH/MSHA APPROVED ORGANIC VAPOR TYPE RESPIRATORY PROTECTION UNLESS LOCAL VENTILATION IS ADEQUATE OR AIR SAMPLING DATA SHOW EXPOSURES ARE WITHIN TLV AND PEL GUIDELINES..

**Ventilation:**

BOTH LOCAL AND MECHANICAL (GENERAL) VENTILATION ARE RECOMMENDED. USE ONLY WITH ADEQUATE VENTILATION.

**Protective Gloves:**

RUBBER OR PLASTIC GLOVES RECOMMENDED.

**Eye Protection:**

USE SAFETY GLASSES AS A MINIMUM.

**Other Protective Equipment:**

Equipment NONE SPECIFIED BY MANUFACTURER.

**Work Hygienic Practices:**

WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

**Supplemental Safety and Health:**

WHEN HEATED ABOVE 150C IN AIR, PRODUCT CAN FORM FORMALDEHYDE VAPORS. FORMALDEHYDE IS POTENTIAL CANCER HAZARD, KNOWN SKIN AND RESPIRATORY SENSITIZER, AND IRRITANT TO EYES, NOSE, THROAT, SKIN, DIGESTIVE SYSTEM. SAFE HANDLING CONDITIONS MAY BE MAINTAINED BY KEEPING VAPOR CONCENTRATIONS WITHIN OSHA PEL FOR FORMALDEHYDE.

## Health Hazards Data

**LD50/LC50 Mixture:**

LD50 - LC50 MIXTURE IS UNKNOWN.

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

YES

**Ingestion:**

YES

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

NO

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

ACUTE: EYES: IRRITATION. SKIN: IRRITATION. REPEATED CONTACT MAY CAUSE BURNS. INHALATION: MAY CAUSE DROWSINESS, IRRITATION OF NOSE AND THROAT. INGESTION: LARGE AMOUNTS MAY INJURE SERIOUSLY. CHRONIC: OVEREXPOSURE MAY INJURE INTERNALLY IF ABSORBED THROUGH SKIN. VAPORS MAY INJURE BLOOD, LUNGS, LIVER, KIDNEYS, AND CNS.

**Explanation Of Carcinogenicity:**

MATERIAL CONTAINS TRACE AMOUNTS OF CARCINOGENIC BENZENE AT BELOW REPORTING LEVELS. ALSO SEE SUPPLEMENTAL INFORMATION.

**Signs And Symptoms Of Overexposure:**

EYES: IRRITATION. SKIN: IRRITATION, BURNS. INHALATION: DROWSINESS, IRRITATION OF NOSE AND THROAT, INJURY TO BLOOD, LUNGS, LIVER, KIDNEYS, CNS. INGESTION: SERIOUS INJURY.

**Medical Cond Aggravated By Exposure:**

PROLONGED SOLVENT OVEREXPOSURES MAY AGGRAVATE EXISTING EYE, SKIN, AND RESPIRATORY DISORDERS.

**First Aid:**

5 EYES: FLUSH WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WIPE OFF AND FLUSH SKIN AREA WITH WATER. GET MEDICAL ATTENTION IF ADVERSE SYMPTOMS DEVELOP. INHALATION: MOVE TO FRESH AIR. GET MEDICAL ATTENTION IF ILL EFFECTS PERSIST. INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

**Spill Release Procedures:**

USE ABSORBENT MATL TO COLLECT AND CONTAIN FOR SALVAGE OR DISPOSAL. REMOVE ALL SOURCES OF IGNITION AND WEAR PROPER PROTECT EQUIPMENT. VENTILATE AREA.

**Neutralizing Agent:**

NONE SPECIFIED BY MANUFACTURER.

**Waste Disposal Methods:**

DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. PRODUCT IS AN OIL (U.S. CLEAN WATER ACT). SPILLS TO WATERCOURSE OR SEWER LEADING TO SURFACE WATERS, THAT CAUSE A VISIBLE SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER.

**Handling And Storage Precautions:**

PRODUCT IS FLAMMABLE. KEEP CONTAINER CLOSED, AWAY FROM HEAT, SPARKS, OPEN FLAME. REVIEW OSHA BENZENE STANDARDS FOR DETAILED SAFE HANDLING REQUIREMENTS

**Other Precautions:**

CURED FILMS AND ARTICLES MADE FROM THIS PRODUCT MAY FORM TRACES OF BENZENE (CARCINOGEN) IF HEATED IN AIR ABOVE 300F (149C). EVOLUTION RATE IS HIGHEST DURING FIRST FEW HOURS. PROVIDE ADEQUATE VENTILATION WHEN PROCESSING AT ELEVATED TEMPERATURE.

## Fire and Explosion Hazard Information

**Flash Point Method:**

CC

**Flash Point:****Flash Point Text:**

76.0F, 24.4C

**Autoignition Temp:****Autoignition Temp Text:**

N/K

**Lower Limits:**

UNKNOWN

**Upper Limits:**

UNKNOWN

**Extinguishing Media:**

WATER FOG, CARBON DIOXIDE, DRY CHEMICAL, FOAM, OTHER.

**Fire Fighting Procedures:**

6 WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING FOR FIGHTING FIRES INVOLVING CHEMICALS.

**Unusual Fire/Explosion Hazard:**

VAPORS ARE HEAVIER THAN AIR AND CAN TRAVEL ALONG THE GROUND TO REMOTE IGNITION SOURCES.

## Physical/Chemical Properties

**HCC:**

F3

**NRC/State LIC No:**

N/R 7

**Net Prop WT For Ammo:****Boiling Point:****B.P. Text:**

290F, 143C

**Melt/Freeze Pt:****M.P./F.P. Text:**

UNKNOWN

**Decomp Temp:****Decomp Text:**

UNKNOWN

**Vapor Pres:**

25

**Vapor Density:**

3.7

**Volatile Org Content %:**

50

**Corrosion Rate:**

UNKNOWN

**Appearance And Odor:**

LIQUID WITH SOME COLOR. SOLVENT ODOR.

**Percent Volatiles by Volume:**

50

**Corrosion Rate:**

UNKNOWN

**Viscosity:**

N/P

**Evaporation Rate & Reference:**

UNKNOWN

**Solubility in Water:**

NEGLIGIBLE

**Appearance and Odor:**

LIQUID WITH SOME COLOR. SOLVENT ODOR.

**Percent Volatiles by Volume:**

50

**Corrosion Rate:**

UNKNOWN

**Viscosity:**

N/P

**Evaporation Rate & Reference:**

UNKNOWN

**Solubility in Water:**

NEGLIGIBLE

**Appearance and Odor:**

LIQUID WITH SOME COLOR. SOLVENT ODOR.

**Percent Volatiles by Volume:**

50

**Corrosion Rate:**

UNKNOWN

**Viscosity:**

N/P

**Evaporation Rate & Reference:**

UNKNOWN

**Solubility in Water:**

NEGLIGIBLE

**Appearance and Odor:**

LIQUID WITH SOME COLOR. SOLVENT ODOR.

**Percent Volatiles by Volume:**

50

**Corrosion Rate:**

UNKNOWN

**Viscosity:**

N/P

**Evaporation Rate & Reference:**

UNKNOWN

**Solubility in Water:**

NEGLIGIBLE

**Appearance and Odor:**

LIQUID WITH SOME COLOR. SOLVENT ODOR.

**Percent Volatiles by Volume:**

50

**Corrosion Rate:**

UNKNOWN

**Viscosity:**

N/P

**Evaporation Rate & Reference:**

UNKNOWN

**Solubility in Water:**

NEGLIGIBLE

**Appearance and Odor:**