

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-88/88-72-2.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

88-72-2

Code:

M

RTECS:

XT3150000

Code:

M

Name:

O-NITROTOLUENE

Other REC Limits:

11 PPM

OSHA PEL:

S, 5 PPM

Code:

M

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

S, 2 PPM; 9293

Code:

M N/P

ACGIH STEL:

EPA Rpt Qty: DOT Rpt Qty: Ozone Depleting Chem

Code:

1 ACGIH STEL:

Control Measures

Respiratory Protection:

USE NIOSH/MSHA APPROVED RESPIRATORY W/ORGANIC VAPOR/DUST-MIST-FUME FILTERS WHEN TLVs OR PELS ARE EXCEEDED.

Ventilation:

LOCAL EXHAUST: RECOMMENDED. MECHANICAL (GENERAL): RECOMMENDED.

Protective Gloves:

SOLVENT IMPERMEABLE

Eye Protection:

3 REQUIRED

Other Protective Equipment:

Equipment AS NEEDED

Work Hygienic Practices:

REMOVE/LAUNDER CONTAMINATED CLOTHING/SHOES BEFORE REUSE. WASH BEFORE EATING/DRINKING/SMOKING/APPLYING COSMETICS.

Supplemental Safety and Health:

N/K

Health Hazards Data

LD50/LC50 Mixture:

N/K

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

N/K

OSHA:

NO

Health Hazards Acute And Chronic:

SKIN: DEFATTING, DERMATITIS, ABSORPTION. INHALATION: IRRITATION TO EYES, NOSE, THROAT, ANESTHETIC EFFECTS. NITROTOLUENE FORMS METHEMOGLOBIN, CAUSING BREATHING DIFFICULTY, RAPID HEARTBEAT, LACK OF MUSCLE COORDINATION, & CAUSES ANEMIA.

Explanation Of Carcinogenicity:

NONE

Signs And Symptoms Of Overexposure:

INHALATION: HEADACHE, NAUSEA, VOMITING, DROWSINESS, DIARRHEA, LIVER & KIDNEY DAMAGE.

Medical Cond Aggravated By Exposure:

N/K

First Aid:

EYES: FLUSH W/WATER FOR AT LEAST 15 MINS. SKIN: WASH W/SOAP & WATER. INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. IF BREATHING IS DIFFICULT, GIVE 2 OXYGEN. INGESTION: OBTAIN MEDICAL ATTENTION IN ALL CASES.

Spill Release Procedures:

PROMPTLY ABSORB SPILL. REMOVE SOURCE OF IGNITION. COVER DRAINS TO PREVENT ENTRY INTO WATERWAYS.

Neutralizing Agent:

N/K

Waste Disposal Methods:

RETURN ACCUMULATED RESIDUES TO REFINERY FOR METALS RECOVERY. FOLLOW LOCAL, STATE, & FEDERAL REGULATIONS FOR PACKAGING, LABELING, MANIFESTING, TRANSPORTATIONS, & DISPOSAL. FLAMMABLE LIQUID.

Handling And Storage Precautions:

KEEP AWAY FROM HEAT, OPEN FLAME, & SOURCES OF IGNITION. STORE AS FLAMMABLE LIQUID. STORE IN A COOL DRY PLACE. AVOID CONTACT W/EYES, SKIN, & CLOTHING.

Other Precautions:

FOLLOW GOOD INDUSTRIAL HYGIENE & HOUSEKEEPING PRACTICES.

Fire and Explosion Hazard Information

Flash Point Method:

SCC

Flash Point:**Flash Point Text:**

103F

Autoignition Temp:**Autoignition Temp Text:**

N/A

Lower Limits:

N/K

Upper Limits:

N/K

Extinguishing Media:

CO2, DRY CHEMICAL

Fire Fighting Procedures:

USE NIOSH/MSHA APPROVED PRESSURE DEMAND SELF CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:

FLAMMABLE LIQUID.

Physical/Chemical Properties

HCC:**NRC/State Lic No:****Net Prop WT For Ammo:****Boiling Point:****N.P. Text:**

N/K

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

N/K

Decomp Temp:**N.K Text:**

N/K

Vapor Pres:

N/K

Vapor Density:

>1

Volatile Org Content %:**Spec Gravity:**

<1

VOC Pounds/Gallon:**PH: N/K**

N/K

VOC Grams/Liter:**Viscosity:**

N/P

Evaporation Rate & Reference:

N/K

Solubility in Water:

INSOLUBLE

Dark Blue Liquid, Odor:

DARK BLUE LIQUID, SOLVENT ODOR.

Percent Volatiles by Volume:

N/K

Corrosion Rate:

N/K

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

HEAT, OPEN FLAME, & OTHER SOURCES OF IGNITION

Materials To Avoid:

OXIDIZERS SUCH AS CHLORATES, PERCHLORATES, PERMANGANATES & NITRATES.

Hazardous Decomposition Products:

CO, CO2, HYDROGEN CHLORIDE, PHOSGENE, OXIDES OF NITROGEN, CARBON 12

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

N/K

Toxicological Information

Information:

Regulatory Information

Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Other Information:

N/P

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