

# 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

**ACGIHSTEL:**  
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

**LD50LC50Mixture:**  
N/K

**Route Of Entry Inds - Inhalation:**  
YES

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**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 MUSC LE COORDINATION, & CAUSES ANEMIA.

**Explanation Of Carcinogenicity:**  
NONE

**Signs And Symptions 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: O BTAIN 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, TRANSPORTIONS, & 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:**

**B.P. Text:**  
N/K

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
N/K

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
N/K

**Vapor Density:**  
>1

**Volatile Org Content %:**

**Spec Gravity:**  
<1

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
N/K

**Solubility in Water:**  
INSOLUBLE

**Appearance and 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:**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