

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-99/99-35-4.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
99-35-4  
**Code:**  
M

**RTECS:**  
DC3850000  
**Code:**  
M

**Name:**  
1,3,5-TRINITROBENZENE (SARA III)

**Other REC Limits:**  
NONE RECOMMENDED

**OSHA PEL:**  
NOT ESTABLISHED  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
NOT ESTABLISHED  
**Code:**  
M

**ACGIHSTEL:**  
N/P  
**Code:**

## Control Measures

**Respiratory Protection:**  
NONE NORMALLY REQUIRED.

**Ventilation:**  
GOOD GENERAL VENTILATION SHOULD BE USED (TYPICALLY 10 AIR CHANGES PER HOUR). MATCH RATE TO CONDITIONS.

**Protective Gloves:**  
WEAR IMPERVIOUS GLOVES.

**Eye Protection:**  
WEAR SAFETY GLASSES WITH SIDE SHIELDS.

**Other Protective Equipment:**  
Equipment EYE BATH, WASHING FACILITIES, SAFETY SHOWER.

**Work Hygienic Practices:**  
WASH HANDS THOROUGHLY AFTER HANDLING.

**Supplemental Safety and Health:**  
NONE

## Health Hazards Data

**LD50LC50Mixture:**  
UNKNOWN

**Route Of Entry Inds - Inhalation:**  
NO

**Skin:**  
YES

**Ingestion:**  
NO

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
INHALATION- LOW HAZARD FOR RECOMMENDED HANDLING. EYES- CAUSES IRRITATION. SKIN- CAUSES IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. INGESTION- EXPECTED TO BE A LOW INGESTION HAZARD.

**Explanation Of Carcinogenicity:**  
NOT APPLICABLE

**Signs And Symptions Of Overexposure:**  
NONE SPECIFIED BY MANUFACTURER.

**Medical Cond Aggravated By Exposure:**  
NONE SPECIFIED BY MANUFACTURER.

**First Aid:**  
INHALATION- IF SYMPTOMATIC, MOVE TO FRESH AIR. EYES- WASH OUT IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. SKIN- WASH WITH SOAP (NON-ALKALINE TYPE OF SKIN CLEANER) AND WATE R. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. INGESTION- DRINK 1-2 GLASSES OF WATER. SEEK MEDICAL ATTENTION.

**Spill Release Procedures:**  
FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER. MAY REQUIRE NEUTRALIZATION IF PH <3 OR >12. OTHERWISE, ABSORB SPILL WITH VERMICULITE OR OTHER INERT MATERIAL, THEN PLACE IN A CONTAINER FOR CHEMICAL WASTE. CLEAN SURFACE THOROUGHLY TO REMOVE CONTAMINATION.

**Neutralizing Agent:**  
N/K

**Waste Disposal Methods:**  
DISCHARGE, TREATMENT, OR DISPOSAL MAY BE SUBJECT TO NATIONAL, STATE, OR LOCAL LAWS. FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER.

**Handling And Storage Precautions:**  
KEEP CONTAINER CLOSED.

**Other Precautions:**  
KEEP FROM CONTACT WITH OXIDIZING MATERIALS.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
NONE

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/R

**Upper Limits:**  
N/R 3

**Extinguishing Media:**  
ANY MEDIA SUITABLE FOR SURROUNDING MATERIAL.

**Fire Fighting Procedures:**  
NONE

**Unusual Fire/Explosion Hazard:**  
NONE

## Physical/Chemical Properties

**HCC:**  
B3

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
>212F,>100C

**Melt/Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
18

**Vapor Density:**  
0.6

**Volatile Org Content %:**

**Spec Gravity:**  
>1

**VOC Pounds/Gallon:**

**PH:** 10.7

**VOC Grams/Liter:**

**Viscosity:**  
N/P

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

**Solubility in Water:**  
COMPLETE

**Appearance and Odor:**  
TAN LIQUID. COLORLESS. ODORLESS. 4

**Percent Volatiles by Volume:**  
90-95

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
NONE SPECIFIED BY MANUFACTURER.

**Materials To Avoid:**  
NONE WITH COMMON MATERIALS AND CONTAMINANTS WITH WHICH THE MATERIAL MAY REASONABLY COME INTO CONTACT.

**Hazardous Decomposition Products:**  
CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF SULFUR.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
NOT APPLICABLE

## 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