

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-139/139-13-9.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
139-13-9  
**Code:**  
M

**RTECS:**  
AJ0175000  
**Code:**  
M

**Name:**  
NITRILOTRIACETIC ACID (SARA III)

**Other REC Limits:**  
NOT ESTABLISHED

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

**OSHA STEL:**

**Code:**

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

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

## Control Measures

**Respiratory Protection:**  
NORMALLY NOT NEEDED UNDER NORMAL USE AS DIRECTED.

**Ventilation:**  
LOCAL/GENERAL TO MAINTAIN PEL/TLV.

**Protective Gloves:**  
IMPERVIOUS

**Eye Protection:**  
SAFETY GLASSES/GOGGLES

**Other Protective Equipment:**  
Equipment PROTECTIVE CLOTHINGS.EYE-WASH FACILITIES

**Work Hygienic Practices:**  
AVOID CONTACT WITH EYES AND SKIN;DO NOT BREATHE VAPORS/MIST.WASH THOROUGHLY AFTER EACH USE.

**Supplemental Safety and Health:**  
WASH THOROUGHLY AFTER EACH USE.

## Health Hazards Data

**LD50LC50Mixture:**  
N/K

**Route Of Entry Inds - Inhalation:**  
N/P

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
ACUTE:IRRITATION OF EYES AND SKIN.REDNESS OR BURNS OF EYES ARE POSSIBLE.PER MSDS SLIGHT HEALTH HAZARDS.CHRONIC:NO DATA AVAILABLE.

**Explanation Of Carcinogenicity:**  
DATA PER MGF MSDS. 3

**Signs And Symptions Of Overexposure:**  
SEE HEALTH HAZARDS DATA.

**Medical Cond Aggravated By Exposure:**  
PRE-EXISTING CONDITIONS MAY BE WORSEN.

**First Aid:**  
EYES AND SKIN:FLUSH WITH LARGE AMOUNT OF WATER FOR ABOUT 15-20 MINUTES;SEEK MEDICAL ATTENTION IMMEDIATELY.INHALATION:REMOVE TO FRESH AIR;CALL A PHYSICIAN.INGESTION:SEEK MEDICAL ATTENTION IMMEDIATELY.

**Spill Release Procedures:**  
USE PROPER PERSONAL PROTECTION;USE SUITABLE INERT ABSORBENT MATERIAL AND COLLECT FOR PROPER DISPOSAL IN AN APPROVED CONTAINER.

**Neutralizing Agent:**  
N/R

**Waste Disposal Methods:**  
CONSULT LOCAL AUTHORITIES;DISPOSAL MUST BE IN ACCORDANCE WITH LOCAL,STATE AND FEDERAL REGULATIONS

**Handling And Storage Precautions:**  
STORE IN COOL,DRY AND WELL VENTILATED AREA.KEEP CONTAINER CLOSED WHEN NOT IN USE.

**Other Precautions:**  
WASH THOROUGHLY AFTER EACH USE.

## 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 4

**Extinguishing Media:**  
NOT FLAMMABLE;USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER FOG IF APPLICABLE.

**Fire Fighting Procedures:**  
FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

**Unusual Fire/Explosion Hazard:**  
NONE EXPECTED

## Physical/Chemical Properties

**HCC:**  
5 N1

**NRC/State LIC No:**  
N/R

**Net Prop WT For Ammo:**

**Boiling Point:**

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

**Melt/Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
UNKNOWN

**Vapor Pres:**  
15 MMHG

**Vapor Density:**  
N/K

**Volatile Org Content %:**

**Spec Gravity:**  
1.16

**VOC Pounds/Gallon:**

**PH:** 9.7

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
1.0 (WATER=1)

**Solubility in Water:**  
COMPLETE

**Appearance and Odor:**  
PALE YELLOW,CLEAR,ODORLESS,AQUEOUS LIQUID

**Percent Volatiles by Volume:**  
80.0

**Corrosion Rate:**  
UNKNOWN

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
HIGH TEMPERATURES

**Materials To Avoid:**  
STRONG ACIDS

**Hazardous Decomposition Products:**  
CARBON DIOXIDE

**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



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