

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-99/99-11-6.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
99-11-6  
**Code:**  
M

**RTECS:**  
NS1400000  
**Code:**  
M

**Name:**  
CITRAZINIC ACID

**Other REC Limits:**  
N/P

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

**OSHA STEL:**

**Code:**

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

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

## Control Measures

**Respiratory Protection:**  
FOR EXCESSIVE DISPERSAL,IN AIR,WEAR DUST RESPIRATOR.

**Ventilation:**  
MECHANICAL(GENERAL/LOCAL EX-HAUST) TO CONTROL DUST 4

**Protective Gloves:**  
IMPERVIOUS

**Eye Protection:**  
SAFETY/CHEMICAL GOGGLES

**Other Protective Equipment:**  
Equipment NO SPECIAL REQUIREMENTS.

**Work Hygienic Practices:**  
N/P

**Supplemental Safety and Health:**  
PART D OF 4 PARTS PRODUCT; ALL PARTS ARE NEEDED TO MAKE WORKING SOLUTION; KODAK S MIXTURE NO:2241; EFFECTIVE 87213,NSN HAS BEEN CANCELLED;KEY1:N1.

## Health Hazards Data

**LD50LC50Mixture:**  
NONE SPECIFIED BY MANUFACTURER.

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

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
CAUSES SKIN/EYES IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. HARMFUL IF SWALLOWED OR INHALED.

**Explanation Of Carcinogenicity:**  
N/R

**Signs And Symptions Of Overexposure:**  
INHALATION: DUST MAY BE IRRITATING TO UPPER RESPIRATORY TRACT; EYES:DUST MAY CAUSE IRRITATION; SKIN:PROLONGED AND REPEATED CONTACT MAY CAUSE IRRITATION. MAY CAU

**Medical Cond Aggravated By Exposure:**  
N/P

**First Aid:**  
INHALE:REMOVE TO FRESH AIR,GIVE CPR/O\*2 IF NEED;EYES:FLUSH W LG AMTS H\*20 FOR 15 MIN;SKIN:FLUSH W LG AMTS H\*20;INGEST:RINSE MOUTH;GET MEDICAL ATTENTION FOR OVEREXPOSURE AND EYES.

**Spill Release Procedures:**  
EVACUATE UNPROTECTED PERSONS.PROVIDE VENTILATION/ELIM DUST.SWEEP/SHOVEL MATERIAL INTO COVERED CONTAINERS PENDING DISPOSAL.RESIDUE MAY BE FLUSHED TO SEWER WITH EXCESS WATER,PER MANUFACTURER.

**Neutralizing Agent:**  
N/P

**Waste Disposal Methods:**  
3 KEEP IN COVERED CONTAINERS PENDING DISPOSAL.HANDLE & DISPOSE IN FULL COMPLIANCE WITH ALL APPLICABLE INTERNATIONAL,FEDERAL,STATE & LOCAL REGULATIONS.MFG SUGGESTS FLUSHING INTO SEWER WITH EXCESS OF WATE R.

**Handling And Storage Precautions:**  
STORE IN COOL,DRY,WELL VENTILATED,LOW FIRE RISK AREA.PROTECT FROM PHYSICAL DAMAGE.AVOID ANY PHYSICAL CONTACT.KEEP CONTAINERS TIGHTLY CLOSED.

**Other Precautions:**  
AVOID PROLONGED OR REPEATED CONTACT W CHEMICAL.REMOVE & WASH CONTAMINATED CLOTHING.MAINTAIN STRICT HYGIENE.USE NON-ALKALINE(ACID)HAND CLEANER ON KNOWN OR SUSPECT CONTACT AREAS.

## 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

**Extinguishing Media:**  
USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER FOG.

**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:**  
FIRE OR EXCESSIVE HEAT MAY PRODUCE HAZ DECOMPOSITION PRODUCTS.

## Physical/Chemical Properties

**HCC:**  
C3

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

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

**Melt/Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
225C (437F)

**Vapor Pres:**  
N/R

**Vapor Density:**  
N/R

**Volatile Org Content %:**

**Spec Gravity:**  
>1

**VOC Pounds/Gallon:**

**PH:** N/R

**VOC Grams/Liter:**

**Viscosity:**  
N/P

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

**Solubility in Water:**  
MODERATE 5

**Appearance and Odor:**  
TAN-PINK POWDER;SLIGHT ODOR

**Percent Volatiles by Volume:**  
N/R

**Corrosion Rate:**  
N/R

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
DUST GENERATING CONDITIONS.

**Materials To Avoid:**  
STRONG MINERAL ACIDS AND OXIDIZERS

**Hazardous Decomposition Products:**  
COMBUSTION WILL PRODUCE CARBON DIOXIDE,CARBON MONOXIDE.MAY PRODUCE OXIDES OF NITROGEN AND SULFUR.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
N/P

## 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