

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-110/110-15-6.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
110-15-6  
**Code:**  
M

**RTECS:**  
WM4900000  
**Code:**  
M

**Name:**  
SUCCINIC 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:**  
NONE NORMALLY NEEDED. USE NIOSH RESPIRATOR OR SUPPLIED AIR RESPIRATOR IF EXPOSED ABOVE TLV.

**Ventilation:**  
USE HOOD OR OTHER LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV.

**Protective Gloves:**  
NONE

**Eye Protection:**  
4 SAFETY GLASSES.

**Other Protective Equipment:**  
Equipment EYE WASH,SAFETY SHOWER, LAB COAT OR APRON.

**Work Hygienic Practices:**  
USE NORMAL CHEMICAL HYGIENE PRACTICES.

**Supplemental Safety and Health:**  
N/P

## Health Hazards Data

**LD50LC50Mixture:**  
N/K

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

**Skin:**  
YES

**Ingestion:**  
N/P

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
PRODUCT IS NEARLY NON-TOXIC. IT MAY BE IRRITATING TO EYES,SKIN MUCOUS MEMBRANES.

**Explanation Of Carcinogenicity:**  
N/P

**Signs And Symptions Of Overexposure:**  
MAY CAUSE IRRITATION,VOMITING,DIARRHEA.

**Medical Cond Aggravated By Exposure:**  
NONE REPORTED.

**First Aid:**  
EYE:FLUSH WITH WATER 15 MIN. SKIN:WASH WITH SOAP & WATER. INHALED:REMOVE TO FRESH AIR. INGESTED:GIVE LARGE AMOUNTS OF MILK OR WATER. GET MEDICAL ATTENTION.

**Spill Release Procedures:**  
SWEEP UP.

**Neutralizing Agent:**  
SODIUM BICARBONATE.

**Waste Disposal Methods:**  
DISPOSE I/A,W FEDERAL,STATE,LOCAL REGULATIONS. MFR SUGGESTS DISOLVE,NEUTRALIZE IF NECESSARY AND FLUSH TO DRAIN.

**Handling And Storage Precautions:**  
3 STORE IN COOL,DRY AREA.

**Other Precautions:**  
N/P

## 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:**  
WATER,CARBON DIOXIDE,DRY CHEMICAL.

**Fire Fighting Procedures:**  
NONE REPORTED. USE SELF CONTAINED BREATHING APPARATUS.

**Unusual Fire/Explosion Hazard:**  
MAY EMIT TOXIC FUMES & ACRID SMOKE.

## Physical/Chemical Properties

**HCC:**  
N1

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

**Net Prop WT For Ammo:**

**Boiling Point:**

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

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
365F/185C

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
N/K

**Vapor Density:**  
N/K

**Volatile Org Content %:**

**Spec Gravity:**  
1.49

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

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

**Solubility in Water:**  
SOLUBLE

**Appearance and Odor:**  
WHITE POWDER,NO ODOR \* PH SOLN = 5.00

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

**Corrosion Rate:**  
N/P

## Reactivity Data

**Stability Indicator:**  
5 YES

**Stability Condition To Avoid:**  
HEAT,FLAME.

**Materials To Avoid:**  
OXIDIZERS.

**Hazardous Decomposition Products:**  
TOXIC FUMES,ACRID SMOKE

**Hazardous Polymerization Indicator:**  
NO

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

## 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