

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-97/97-73-4.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
97-73-4

**Code:**  
M

**RTECS:**

**Code:**  
X

**Name:**  
LACTIC ACID LACTATE

**Other REC Limits:**  
NOT ESTABLISHED

**OSHA PEL:**  
NOT ESTABLISHED

**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**

NOT ESTABLISHED

**Code:**  
M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**  
NONE NORMALLY REQUIRED.

**Ventilation:**  
USE MECHANICAL(GENERAL).

**Protective Gloves:**

PLASTIC.

**Eye Protection:**  
CHEMICAL SAFETY GOGGLES OR FACE SHIELD.

**Other Protective Equipment:**  
Equipment EYE WASH STATION SAFETY SHOWER SHOULD BE AVAILABLE.

**Work Hygienic Practices:**

ALWAYS WASH THOROUGHLY AFTER HANDLING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. AVOID SKIN CONTACT BREATHING VAPOR.

**Supplemental Safety and Health:**

4 EPA REG NO:45631-15;THE ABOVE SAFETY AND HEALTH DATA APPLIES TO THE LD ACTIVATOR CONCENTRATE WHICH HAS TO BE MIXED WITH BASE FOR PROPER USE.COMPANY DOES NOT SELL PRE-MIXED PRODUCT.READ LABEL BEFORE OPENING BOTTLE.DATA ON PRE-MIXED PRODUCT IS UNDER PNIND C,THIS NSN.THE MIX RETAINS EFFECTIVENESS UP TO TWO WEEKS.KEY1:N1.

## Health Hazards Data

**LD50LC50Mixture:**

N/K

**Route Of Entry Inds - Inhalation:**

NO

**Skin:**

NO

**Ingestion:**

NO

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

NO

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

CAUSES TEMPORARY EYE IRRITATION ON CONTACT. 2

**Explanation Of Carcinogenicity:**

NONE OF THE CHEMICALS IN THIS PRODUCT ARE LISTED AS CARCINOGENIC BY NTP, IARC OR OSHA.

**Signs And Symptoms Of Overexposure:**

MAY CAUSE EYE AND SKIN IRRITATION.

**Medical Cond Aggravated By Exposure:**

NONE SPECIFIED BY MANUFACTURER.

**First Aid:**

INHALATION: NONE SPECIFIED BY MANUFACTURER. EYES: IMMEDIATELY RINSE WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL HELP IF IRRITATION PERSISTS. INGESTION: GIVE MILK OR WATER. DO NOT INDUCE VOMITING. GET MD HELP. SKIN: NONE REQUIRED.

**Spill Release Procedures:**

WEAR PROTECTIVE EQUIPMENT.SMALL SPILLS: ABSORB WITH INERT MATERIAL. FLUSH SPILLS WITH WATER OR ABSORB SPILL WITH INERT ABSORBENT AND PLACE IN WASTE CONTAINER. WASH RESIDUE WITH SOAP & WATER.

**Neutralizing Agent:**

NONE SPECIFIED BY MANUFACTURER.

**Waste Disposal Methods:**

DISPOSE OF PRODUCT CONTAINERS, WASTE CONTAINERS, AND RESIDUES ACCORDING TO LOCAL, STATE, AND FEDERAL REGULATIONS.

**Handling And Storage Precautions:**

STORE IN A WELL-VENTILATED SECURE AREA.DO NOT STORE IN DIRECT SUNLIGHT.

**Other Precautions:**

ALWAYS WASH THOROUGHLY AFTER HANDLING.

## Fire and Explosion Hazard Information

**Flash Point Method:**

N/P 3

**Flash Point:**

**Flash Point Text:**

NONE

**Lower Limits:**

N/R

**Upper Limits:**

N/R

**Extinguishing Media:**

USE MEDIA SUITABLE FOR SURROUNDING FIRE.

**Fire Fighting Procedures:**

NONE SPECIFIED BY MANUFACTURER.

**Unusual Fire/Explosion Hazard:**

NONE SPECIFIED BY MANUFACTURER.

## Physical/Chemical Properties

**HCC:**

N1

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

214F,101C

**Melt/Freeze Pt.:**

N/R

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

N/R

**Decomp Text:**

N/R

**Decomp Temp:**

N/R

**Vapor Pres:**

17MMHG

**Vapor Density:**

N/R

**Volatile Org Content %:**

**Spec Gravity:**

1.05@25C

**VOC Pounds/Gallon:**

N/R

**PH:**

N/K

**VOC Grams/Liter:**

N/R

**Viscosity:**

N/R

**Evaporation Rate & Reference:**

1(WATER=1)

**Appearance and Odor:**

SLIGHT FRUITY ODOR

**Percent Volatiles by Volume:**

N/K

**Corrosion Rate:**

N/R

**Reactivity Indicator:**

YES

**Stability Condition To Avoid:**

NONE NORMALLY REQUIRED

**Materials To Avoid:**

ALKALIES,BLEACH, DIRECT CONTACT WITH LD BASE CONCENTRATE AND OTHER WEAK BLEACH PRODUCTS.

**Hazardous Decomposition Products:**

NONE SPECIFIED BY MANUFACTURER.

**Hazardous Polymerization Indicator:**

NO

**Conditions To Avoid Polymerization:**

NOT APPLICABLE

## Toxicological Information

**Information:**

**MSDS Transport Information:**

**Information:**

**Regulatory Information:**

**Information:**

**Sara Title III Information:**

N/P

**Federal Regulatory Information:**

N/P

**State Regulatory Information:**

N/P

## Other Information

**Information:**

**Other Information:**

**Information:**

**Information:**