

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

ACGIHSTEL:

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 OP ENING 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 Symptions 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 VOMI TING.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 SWITH 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

Autoignition Temp:

Autoignition Temp Text:

N/R

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:

B.P. Text:
214F,101C

Melt/Freeze Pt:

M.P/F.P Text:

N/R

Decomp Temp:

Decomp Text:

N/K

Vapor Pres:

17MMHG

Vapor Density:

N/K

Volatile Org Content %:

Spec Gravity:

1.058 @25C

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:

N/R

Evaporation Rate & Reference:

1 (WATER=1)

Solubility in Water:

COMPLETE

Appearance and Odor:

COLORLESS SOLUTION;SLIGHT FRUITY ODOR

Percent Volatiles by Volume:

N/K

Corrosion Rate:

N/K

Reactivity Data

Stability 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 5

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

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WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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