

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-79/79-33-4.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
79-33-4
Code:
M

RTECS:
OD3100000
Code:
M

Name:
L-LACTIC ACID

Other REC Limits:
N/K

OSHA PEL:
N/K
Code:
M

OSHA STEL:
Code:

ACGIH TLV:
N/K
Code:
M N/P

ACGIHSTEL:
EPA Rpt Qty: DOT Rpt Qty: Ozone Depleting Chem
Code:
1 ACGIH STEL:

Control Measures

Respiratory Protection:
NONE REQUIRED IF VENTILATION IS ADEQUATE.

Ventilation:
PROVIDE ADEQUATE GENERAL EXHAUST VENTILATION

Protective Gloves:
RUBBER/CHEMICAL RESISTANT

Eye Protection:
SAFETY GLASSES W/SIDE SHIELDS

Other Protective Equipment:
Equipment EYE WASH STATIONS, DELUGE SHOWERS, LAB COAT.

Work Hygienic Practices:
REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health:
SPILLS CONT'D: UPON COMPLETION OF CLEANUP, WASH SITE W/WATER. PH: REAGENT: 5-10.

Health Hazards Data

LD50LC50Mixture:
N/P

Route Of Entry Inds - Inhalation:
NO

Skin:
NO

Ingestion:
NO

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
CONTAINS L-LACTIC ACID WHICH MAY CAUSE EYE, SKIN & UPPER RESPIRATORY TRACT IRRITATION.

Explanation Of Carcinogenicity:
NONE

Signs And Symptions Of Overexposure:
L-LACTIC ACID-IRRITATION, COUGHING, HEADACHE, SHORTNESS OF BREATH, NAUSEA.

Medical Cond Aggravated By Exposure:
NONE

First Aid:
EYES/SKIN: IMMEDIATELY FLUSH W/LARGE VOLUMES OF FRESH WATER FOR 15 MINS. INGESTION: KEEP WARM & CALM. INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEEDED. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Spill Release Procedures:
VENTILATE AREA. DRY: MOP UP/PLACE IN SUITABLE CONTAINER/SEAL/LABEL/HOLD FOR DISPOSAL. SOLUTION: USE ABSORBENT MATERIAL TO CONTAIN/PICKUP. ONCE SPENT PLACE ALL CONTAMINATED DISPOSABLES IN SUITABLE CONTAINER/SEAL/LABEL/HOLD FOR DISPOSAL (SEESUPP)

Neutralizing Agent:
N/K

Waste Disposal Methods:
DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS.

Handling And Storage Precautions:
STORE AT ROOM TEMP.

Other Precautions:
AVOID CONTACT W/SKIN, EYES. DON'T MOUTH PIPETTE. DON'T EAT, DRINK/SMOKE WHILE WORKING W/REAGENTS.

Fire and Explosion Hazard Information

Flash Point Method:
N/P 2

Flash Point:

Flash Point Text:
>392F

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/K

Upper Limits:
N/K

Extinguishing Media:
USE MEDIA APPROPRIATE FOR SURROUNDING FIRE

Fire Fighting Procedures:
WEAR SELF CONTAINED BREATHING APPARATUS & PROTECTIVE GARMENTS. IF POSSIBLE HAVE THIS PRODUCT REMOVED FROM FIRE SCENE.

Unusual Fire/Explosion Hazard:
N/K

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/K

Melt/Freeze Pt:

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

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
N/K

Vapor Density:
N/K

Volatile Org Content %:

Spec Gravity:
N/K 3

VOC Pounds/Gallon:

PH: (SUPP)

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
N/K

Solubility in Water:
REAGENT-COMPLETE

Appearance and Odor:
CLEAR, COLORLESS LIQUID

Percent Volatiles by Volume:
N/K

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
EXCESS HEAT, FLAME/PRESSURE

Materials To Avoid:
N/K

Hazardous Decomposition Products:
N/K

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NONE

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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