

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-526/526-95-4.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
526-95-4
Code:
M

RTECS:
LZ5057100
Code:
M

Name:
D-GLUCONIC ACID

Other REC Limits:
NONE RECOMMENDED

OSHA PEL:
NOT ESTABLISHED
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
NOT ESTABLISHED
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE EITHER A SELF-CONTAINED BREATHING APPARATUS OR A NOISH/ MSHA APPROVED RESPIRATOR FOR ORGANIC VAPORS,DEPENDING ON THE AIRBORN CONCENTR ATION.

Ventilation:
USE GENERAL DILUTION VENTILATION.MFR RECOMMENDS 10 AIR CHANGES/HOUR.USE SUPPLIMENTARY LOCAL EXHAUST AT THE WORKSITE.

Protective Gloves:
IMPERVIOUS

Eye Protection:
SAFETY GLASSES WITH SIDE SHIELDS.

Other Protective Equipment:
Equipment PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:
WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.

Supplemental Safety and Health:
KEY1:C1. ACUTE EXPOSURE TO EXTREMELY HIGH AIRBORNE CONCENTRATIONS OF RESPIRATORY IRRITANTS HAS BEEN ASSOCIATED WITH DEVELOPMENT OF AN ASTHMA-LIKE REACTIVE AIRWAYS SYNDROME(RADS) IN SUSCEPTIBLE INDIVID UALS. EXTREMELY HIGH AIRBORNE CONCENTRATIONS ARE NOT GENERATED DURING NORMAL CONDITIONS OF USE.

Health Hazards Data

LD50LC50Mixture:
ORAL LD50 (RAT) NOT GIVEN

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
INHALATION: VAPOR IRRITATING. EYES: CAUSES BURNS. VAPOR IRRITATING. SKIN: CAUSES BURNS. INGESTION: HARMFUL IF SWALLOWED. MAY CAUSE BURNS OF THE GASTROINTESTINAL TRACT IF SWALLOWED.

Explanation Of Carcinogenicity:
THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Signs And Symptions Of Overexposure:
RESPIRATORY TRACT IRRITATION, EYE BURNS, EYE IRRITATION, SKIN BURNS, GI TRACT BURNS.

Medical Cond Aggravated By Exposure:
PERSONS WITH PRE-EXISTING RESPIRATORY AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE. 4

First Aid:
SKIN: REMOVE CONTAMINATED CLOTHING;WASH WITH WATER. EYES: FLUSH WITH WATER FOR 15 MINUTES. INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED. INGESTION: DO NOT INDUCE VO MITING. GIVE VICTIM A GLASS OF WATER. NEVER GIVE ANYTHING BY MOUTH IF UNCONSCIOUS. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

Spill Release Procedures:
NEUTRALIZE PRIOR TO DISPOSAL. NEUTRALIZATION AND SEWERING MAY NOT BE ALLOWED IN SOME STATES OR MUNICIPALITIES. FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER IF ALLOWABLE.

Neutralizing Agent:
SODIUM BICARBONATE,LIME.

Waste Disposal Methods:
DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.

Handling And Storage Precautions:
DO NOT BREATHE VAPOR AT CONCENTRATIONS GREATER THAN THE EXPOSURE LIMITS. DO NOT GET IN EYES, ON SKIN, ON CLOTHING. USE ONLY WITH ADEQUATE VENTILATION.

Other Precautions:
KEEP CONTAINER CLOSED. KEEP AWAY FROM INCOMPATIBLE SUBSTANCES.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
NONE

Autoignition Temp:

Autoignition Temp Text:
N/K

Lower Limits:
NOT GIVEN

Upper Limits:
NOT GIVEN

Extinguishing Media:
USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:
USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT. 5

Unusual Fire/Explosion Hazard:
FIRE CONDITIONS MAY EVOLVE TOXIC FUMES.

Physical/Chemical Properties

HCC:
C1

NRC/State LIC No:
N/R

Net Prop WT For Ammo:

Boiling Point:
>100.C, 212.F

B.P. Text:
6

Melt/Freeze Pt:

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

Decomp Temp:

Decomp Text:
N/P

Vapor Pres:
18

Vapor Density:
0.6

Volatile Org Content %:

Spec Gravity:
1.18

VOC Pounds/Gallon:

PH: 1.6

VOC Grams/Liter:

Viscosity:
N/K

Evaporation Rate & Reference:
NOT GIVEN

Solubility in Water:
COMPLETE

Appearance and Odor:
GREEN LIQUID, VINEGAR ODOR

Percent Volatiles by Volume:
90

Corrosion Rate:
UNKNOWN

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid:
BASES

Hazardous Decomposition Products:
SULFUR DIOXIDE.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NONE. WILL NOT OCCUR.

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

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