

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

ACGIH STEL:

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 CONCENTRATION.

Ventilation:

USE GENERAL DILUTION VENTILATION.MFR RECOMMENDS 10 AIR CHANGES/HOUR.USE SUPPLEMENTARY 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 INDIVIDUALS. EXTREMELY HIGH AIRBORNE CONCENTRATIONS ARE NOT GENERATED DURING NORMAL CONDITIONS OF USE.

Health Hazards Data

LD50/LC50 Mixture:

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 Symptoms 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 VOMITING. 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:

N/K

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:

N/K

Boiling Point:

>100°C, 212°F

B.P. Text:

6

Melt / Freeze Pt:

N/K

M.P/F.P Text:

N/P

Decomp Temp:

N/K

Decomp Text:

N/P

Vapor Pres:

18

Vapor Density:

0.6

Volatile Org Content %:

N/K

Spec Gravity:

1.18

VOC Pounds/Gallon:

N/K

PH:

1.6

VOC Grams/Liter:

N/K

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:

NOT SPECIFIED BY MANUFACTURER.

Materials To Avoid:

BASICS

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

Other Information: