

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-110/110-44-1.html> for suppliers of this product.

Composition/Information on Ingredient

110-44-1
Code:
M

RETECS:
WG2100000
Code:
M

Name:
SORBIC 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:

Respiratory Protection:
NOT NEEDED IN NORMAL SE

Ventilation:
USE GENERAL DILUTION VENTILATION.

Protective Gloves:
IMPERMEABLE.

Eye Protection:
CHEMICAL SPLASH GOGGLES

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

Work Hygienic Practices:
USE REASONABLE CARE IN HANDLING THIS PRODUCT.WASH HANDS AFTER USE AND BEFORE EATING.

Supplemental Safety and Health:
NONE.

LD50LC50Mixture:

ORAL LD50 (RAT) IS 5G/KG

Route Of Entry Inds - Inhalation:
NO

Skin:
YES

Ingestion:
NO

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
GLUCOCORTICOID.EYES:MAY CAUSE IRRITATION.SKIN:MAY CAUSE IRRITATION.INGEST:SMALL AMOUNTS ARE NOT EXPECTED TO BE HARMFUL.INHAL:UNLIKELY ROUTE OF EXPOSURE.CHRONIC:MAY CAUSE PEPTIC ULCER,CATARACT.

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:
INGEST:LARGE AMOUNTS MAY PRODUCE MUSCLE WEAKNESS,FATIGUE,HEADACHE,DIZZINESS,SKIN CHANGES,ELEVATED SERUM GLUCOSE (HYPERGLYCEMIA),MENSTRUAL CHANGES,FLUID AND ELECTROLYTE IMBALANCE.SKIN:BURNING,ITCHING,DR YING,CRACKING,ACNE-LIKE DERMATITIS.

Medical Cond Aggravated By Exposure:
6 PERSONS WITH PRE-EXISTING FUNGAL INFECTION,TUBERCULOSIS,PEPTIC ULCERS,DIABETES MELLITUS AND CERTAIN PSYCHIATRIC DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

First Aid:
SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:DO NOT INDUCE VOMITING. GET PROMPT QUALIFIED MEDICAL ATTENTION.

Spill Release Procedures:
USE IMPERMEABLE GLOVES AND EYE PROTECTION.VENTILATE AREA.SOAK UP WITH NON-COMBUSTIBLE INERT ADSORBANT (EG.CLAY);PLACE COLLECTED MATERIAL IN AN APPROPRIATE CONTAINER FOR DISPOSAL;CLEAN SPILL AREA TO REM OVE SLIPPERINESS.

Neutralizing Agent:
NOT APPLICABLE.

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

Handling And Storage Precautions:
STORE IN A COOL,DRY,WELL-VENTILATED PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.PROTECT FROM LIGHT.

Other Precautions:
FOLLOW LABEL DIRECTIONS.

Flash Point Method: N/D

Flash Point:	
Flash Point Text:	NONE
Autoignition Temp:	
Autoignition Temp Text:	N/K
Lower Limits:	N/K
Upper Limits:	N/K
Extinguishing Media:	WATER FOG, DRY CHEMICAL, CARBON DIOXIDE, FOAM. 7
Fire Fighting Procedures:	USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.
Unusual Fire/Explosion Hazard:	FIRE CONDITIONS MAY EVOLVE TOXIC FUMES.
Physical/Chemical Properties	

HCC:
N1

NRC/State LIC No:
N/R

Net Prop WT For Ammo:
8

Boiling Point:

B.P. Text:
N/K

Melt / Freeze Pt:

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

Decomp Temp:

Decomp Text:
UNKNOWN

Vapor Pres:
N/K

Vapor Density:
N/K

Volatile Org Content %:

Spec Gravity:
N/K

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/K

Evaporation Rate & Reference:
N/K

Solubility in Water:
INSOLUBLE

Appearance and Odor:
EMULSION;NO CHARACTERISTIC ODOR.COLOR NOT REPORTED.

Percent Volatiles by Volume:
N/K

Corrosion Rate:
UNKNOWN

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
HIGH HEAT.

Materials To Avoid:
NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:
CARBON DIOXIDE,CARBON MONOXIDE,HYDROGEN FLUORIDE.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
N/R

Toxicological Information

Information:N/P

MSDS Transport Info

Information:N/P

Regulatory Inform

Sara Title III Information

Federal Regulatory Information

State Regulatory Information

Other Inform

Overall, 3.6% (n = 10) N/D

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WARRANTY

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