

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-110/110-17-8.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

110-17-8

Code:

M

RTECS:

LS9625000

Code:

M

Name:

FUMARIC ACID (SARA III)

Other REC Limits:

N/K

OSHA PEL:

NOT ESTABLISHED

Code:

M

OSHA STEL:

Code:

ACGIH TLV:

NOT ESTABLISHED

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

DUST MASK WHERE DUSTINESS IS PREVALENT. MECHANICAL FILTER RESPIRATOR IF EXPOSURE IS PROLONGED.

Ventilation:

LOCAL EXHAUST: DISCRETIONARY. MECHANICAL: RECOMMENDED. GOOD VENTILATION IS ESSENTIAL IN CONFINED/ENCLOSED AREAS.

Protective Gloves:

RUBBER

Eye Protection:

RECOMMENDED

Other Protective Equipment:

Equipment MECHANICAL BARRIER

Work Hygienic Practices:

N/K

Supplemental Safety and Health:

N/K

Health Hazards Data

LD50/LC50 Mixture:

ORAL RATS LD50: 10,700 MG/KG

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

EYES/SKIN: IRRITATION. INHALATION: IRRITATION OF NASAL/RESPIRATORY PASSAGES. INGESTION: GASTROINTESTINAL IRRITATION.

Explanation Of Carcinogenicity:

NONE

Signs And Symptoms Of Overexposure:

EYES/SKIN: IRRITATION. INHALATION: IRRITATION OF NASAL/RESPIRATORY PASSAGES. INGESTION: GASTROINTESTINAL IRRITATION. DUST MAY CAUSE COUGH & SPUTUM PRODUCTION INDISTINGUISHABLE FROM THAT WHICH OCCURS W /CIGARETTE SMOKING.

Medical Cond Aggravated By Exposure:

REACTIVE AIRWAY.

First Aid:

EYE: FLUSH W/LARGE AMOUNTS OF WATER. SKIN: WASH W/SOAP & WATER. INHALATION: REMOVE TO FRESH AIR. INGESTION: GIVE LARGE AMOUNTS OF WATER & INDUCE VOMITING. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Spill Release Procedures:

SWEEP UP & PLACE IN LABELED REFUSE CONTAINER.

Neutralizing Agent:

N/K

Waste Disposal Methods:

DISPOSE OF IN COMPLIANCE W/LOCAL, STATE, & FEDERAL REGULATIONS.

Handling And Storage Precautions:

DON'T MIX W/OTHER SPILL CONTROL AGENTS. STORE IN ORIGINAL CONTAINER OR SPILL-GUN APPLICATOR.

Other Precautions:

N/K

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

N/R

Autoignition Temp:

N/R

Autoignition Temp Text:

N/A 3

Lower Limits:

N/R

Upper Limits:

N/R

Extinguishing Media:

N/R

Fire Fighting Procedures:

N/K

Unusual Fire/Explosion Hazard:

N/K

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Net Prop WT For Ammo

Boiling Point:

N/R

B.P. Text:

N/R

Melt/Freeze Pt:

N/R

Decomp Temp:

N/R

Decomp Text:

N/R

Vapor Pres:

N/R

Vapor Density:

N/R

Volatile Org Content %:

N/R

Spec Gravity:

N/R

VOC Pounds/Gallon:

N/R

PH:

2.5

VOC Grams/Liter:

N/R

Viscosity:

N/P 4

Evaporation Rate & Reference:

N/R

Solubility in Water:

N/R

Appearance and Odor:

WHITE TO TAN COLOR, NO ODOR.

Percent Volatiles by Volume:

N/R

Stability Indicator:

YES

Stability Condition To Avoid:

N/R

Materials To Avoid:

STRONG ALKALIES

Hazardous Decomposition Products:

CO2

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

N/R

Toxicological Information

Information:

N/P

MSDS Transport Information

Information:

N/P

Regulatory Information

Sara Title III Information:

N/P

Federal Regulatory Information:

N/P

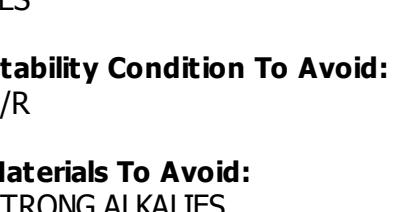
State Regulatory Information:

N/P

Other Information

Other Information:

N/P



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