MATERIAL SAFETY DATA SHEET

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

Click http://www.lookchem.com/cas-103/10377-60-3.html for suppliers of this product.

Composition/Information on Ingredient

Cas:
10377-60-3
Code:
M

RTECS:
OM3750000
Code:
M

Name:
MAGNESIUM NITRATE

Other REC Limits:
NONE RECOMMENDED

OSHA PEL:
5 MG MG/M3 CEILING
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
10 MG MG/M3
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
NONE REQUIRED IF AIRBORNE CONCENTRATIONS ARE MAINTAINED BELOW EXPOSURE LIMITS. IF RESPIRATORS ARE USED, COMPLY W/OSHA 29CFR1910.134 & ANSI Z88.2.

Ventilation:
PROVIDE SUFFICIENT LOCAL EXHAUST VENTILATION TO CONTROL INHALATION EXPOSURES BELOW OSHA'S PEL.

Protective Gloves:
BUTYL RUBBER, NITRILE

Eye Protection:
CHEMICAL SPLASH GOGGLES FACE SHIELD 6

Other Protective Equipment:
Equipment CHEMICALLY RESISTANT APRON OTHER IMPERVIOUS CLOTHING. EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:
MFR GAVE NO INFORMATION OF MSDS.

Supplemental Safety and Health:
NONE

Health Hazards Data

LD50LC50Histure:
LD50 (ORAL RAT) 3723(F) & 3600(M) MG/M3

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO 4

Health Hazards Acute And Chronic:
EYE:MAY CAUSE SEVERE IRRITATION, CORNEAL INJURY. SKIN:MAY CAUSE IRRITATION WHICH MAY BE DELAYED HOURS, BURNS. INHALATION:MAY CAUSE IRRITATION OF NOSE & THROAT. INGESTION:HARMFUL IF SWALLOWED. CHRONIC :MAY CAUSE ALLERGIC CONTACT DERMATITIS.

Explanation Of Carcinogenicity:
MANUFACTURER GAVE NO INFORMATION ABOUT CARCINOGENICITY. HMIS FOUND NO LISTING & DOES NOT EXPECT IT TO BE CARCINOGENIC.

Signs And Symptions Of Overexposure:
EYE:SEVERE IRRITATION, CORNEAL INJURY. SKIN:IRRITATION WHICH MAY BE DELAYED HOURS, BURNS, ALLERGIC CONTACT DERMATITIS. INHALATION:IRRITATION OF NOSE & THROAT. INGESTION:HARMFUL IF SWALLOWED.

Medical Cond Aggravated By Exposure:
MFR GAVE NO INFORMATION OF MSDS.

First Aid:
IF IRRITATION PERSISTS OR IS SEVERE, GET MEDICAL ATTENTION. EYE:FLUSH W/WATER FOR 15 MIN. SKIN:WASH W/SOAP & WATER. REMOVE CONTAMINATED CLOTHING & LAUNDER BEFORE REUSE. INHALED:REMOVE FROM EXPOSURE. A ID OR RESTORE BREATHING AS NEEDED. INGESTED:DO NOT INDUCE VOMITING. GIVE 1-2 GLASSES OF WATER TO DRINK. GET IMMEDIATE MEDICAL ATTENTION. NOTHING BY MOUTH IF UNCONSCIOUS.

Spill Release Procedures:
KEEP SPILLS OUT OF SEWERS & BODIES OF WATER. CONTAIN SPILL. TRANSFER LIQUID & DIKING MATERIAL TO CONTAINERS FOR RECOVERY & DISPOSAL. DECONTAMINATE AREA W/NEUTRALIZER. RINSE TO CHEMICAL SEWER AFTER 30 MIN.

Neutralizing Agent:
10% SODIUM BISULFITE SOLUTION

Waste Disposal Methods:
INCINERATE LIQUID & CONTAMINATED SOLIDS I/A/W FEDERAL, STATE & LOCAL REGULATIONS.

Handling And Storage Precautions:
STORE IN A WELL VENTILATED AREA BETWEEN 0C(32F) & 55C(131F). DO NOT STORE IN STEEL CONTAINERS.

Other Precautions:
S CONTAINERS HAZARDOUS WHEN EMPTY. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE, FOLLOW ALL MSDS & LABEL WARNINGS. WASH THOROUGHLY AFTER HANDLING. KEEP OUT OF REACH OF CHILDREN. AVOID CONTACT WITH EY ES & SKIN. DO NOT BREATHE MIST/VAPORS.

Fire and Explosion Hazard Information

Flash Point Method:
PMCC

Flash Point:

Flash Point Text:
280F,138C

Autoignition Temp:

Autoignition Temp Text:
N/K

Lower Limits:
NO DATA

Upper Limits:
NO DATA

Extinguishing Media:
USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:
WEAR NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS & FULL PROTECTIVE CLOTHING. COOLFIRE EXPOSED CONTAINERS W/WATER SPRAY. CONTAIN RUNOFF.

Unusual Fire/Explosion Hazard:
COMBUSTION GENERATES TOXIC FUMES OF THE FOLLOWING: HYDROGEN CHLORIDE, NITROGEN OXIDES AND SULFUR OXIDES.

Physical/Chemical Properties

HCC:
C2

NRC/State LIC No:
NONE

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
390F,200C

Melt/Freeze Pt:

M.P/F.P Text:
NO DATA

Decomp Temp:

Decomp Text:
UNKNOWN

Vapor Pres:
0.1 MM

Vapor Density:
0.65

Volatile Org Content %:

Spec Gravity:
1.044

VOC Pounds/Gallon:

PH: 4.4

VOC Grams/Liter:

Viscosity:
UNKNOWN

Evaporation Rate & Reference:

Solubility in Water:
COMPLETE

Appearance and Odor:
CLEAR YELLOW LIQUID, AROMATIC ODOR

Percent Volatiles by Volume:
<97

Corrosion Rate:
UNKNOWN

Reactivity Data

Stability Indicator:
7 YES

Stability Condition To Avoid:
STABLE UNDER SPECIFIED CONDITIONS OF STORAGE, SHIPMENT USE.

Materials To Avoid:
AVOID CONTACT W/OXIDIZING AGENTS, REDUCING AGENTS, AMINES, MERCAPTANS

Hazardous Decomposition Products:
THERMAL DECOMPOSITION MAY YIELD THE FOLLOWING: HYDROGEN CHLORIDE, NITROGEN OXIDES SULFUR OXIDES.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
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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