

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-111/11138-49-1.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
11138-49-1

Code:
M

RTECS:
BD1600000

Code:
M

Name:
ALUMINUM SODIUM OXIDE

Other REC Limits:
N/K

OSHA PEL:
N/K

Code:
M

OSHA STEL:

Code:

ACGIH TLV:
2 MG/CUM

Code:
M

ACGIHSTEL:
N/P

Code:

Control Measures

Respiratory Protection:
FOR MIST CONDITIONS, A NIOSH-APPROVED RESPIRATOR FOR MISTS IS ADVISED. IF RESPIRATOR ARE USED, A FORMAL TRAINING & SCREENING PROGRAM MUST BE INITIATED.

Ventilation:
3 PROVIDE SUFFICIENT MECHANICAL VENTILATION TO KEEP

Protective Gloves:
ALKALI RESISTANT NEOPRENE

Eye Protection:
CHEMICAL FACE SHIELD, GOGGLES

Other Protective Equipment:
Equipment NOT NORMALLY REQUIRED

Work Hygienic Practices:
WASH HANDS/FACE W/SOAP &WATER BEFORE SMOKING OR EATING. REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health:
N/K

Health Hazards Data

LD50LC50Mixture:
N/K

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
EYE: BURNS, POSSIBLE PERMANENT TISSUE DAMAGE & BLINDNESS. SKIN: SEVERE IRRITATION, POSSIBLE CHEMICAL BURNS. INHALATION: UPPER RESPIRATORY TRACT IRRITATION. INGESTION: GASTROINTESTINAL TRACT IRRITATION .

Explanation Of Carcinogenicity:
NONE

Signs And Symptoms Of Overexposure:
EYES: SEVERE BURNS, POSSIBLE PERMANENT TISSUE DAMAGE & BLINDNESS. SKIN: IRRITATION, & POSSIBLE CHEMICAL BURNS. INHALATION: UPPER TO RESPIRATORY TRACT IRRITATION.

Medical Cond Aggravated By Exposure:
2 N/K

First Aid:
EYES: FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINS. SKIN: WASH THOROUGHLY W/SOAP & WATER. INHALATION: REMOVE TO FRESH AIR. GIVE CPR OR OXYGEN IF NEEDED. INGESTION: DON'T INDUCE VOMITING. DILUTE BY GIV ING LARGE VOLUMES OF MILK OR WATER. NEVER ATTEMPT TO GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. OBTAIN MEDICAL ATTENTION.

Spill Release Procedures:
CONFINE SPILL. S LEAK AT SOURCE IF THIS CAN BE DONE SAFELY. VENTILATE AREA. EVACUATE NONESSENTIAL PERSONNEL. PUMP LIQUID INTO DOT-APPROVED DRUMS FOR DISPOSAL. ABSORB REMAINING LIQUID ONTO INERT ABS ORBENT/PLACE IN DOT-APPROVED DRUMS FOR DISPOSAL.

Neutralizing Agent:
N/K

Waste Disposal Methods:
WASH AREA W/WATER, WASTE WATER CONTAINING ONLY RESIDUAL AMOUNTS OF PRODUCT MAY BE SENT TO SEWER IF LOCAL REGULATIONS PERMIT. TRANSFER TO RECLAIMING CENTER FOR RECYCLING OR REUSE. TRANSFER TO LICENSED WASTE TREATMENT DISPOSE OF LOCAL, STATE& REGS.

Handling And Storage Precautions:
STORE IN DRY PROTECTED AREA. HAZARDOUS CO2 GAS CAN FORM UPON CONTACT W/FOOD & BEVERAGE PRODUCTS. THIS CAN COLLECT IN ENCLOSED SPACES/FATAL.

Other Precautions:
THEY SHOULD BE KEPT UNDER OBSERVATION WHILE IN THE AREAS BY ANOTHER MAN AT A SAFE DISTANCE. RELIEVE ANY PRESSURE. COVER OPENING TO AVOID SPLASHING CLEAN EXTERIOR/INTERIOR BY FLUSHING W/WATER.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
NONFLAMMABLE

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/K

Upper Limits:
N/K

Extinguishing Media:
N/R

Fire Fighting Procedures:
USE SELF-CONTAINED RESPIRATORY PROTECTION

Unusual Fire/Explosion Hazard:
CONTACT W/REACTIVE METALS MAY GENERATE HYDROGEN GAAS IN EXPLOSIVE AMOUNTS.

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
220F

Melt/Freeze Pt:

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

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
25

Vapor Density:
<1

Volatile Org Content %:

Spec Gravity:
1.28

VOC Pounds/Gallon:

PH: 13

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
(BU AC = 1):

Solubility in Water:
COMPLETE

Appearance and Odor:
DARK-BROWN LIQUID; LOW ODOR.

Percent Volatiles by Volume:
73%

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
N/K

Materials To Avoid:
STRONG ACIDS, REACTIVE METALS, AS ALUMINUM, ZINC, TIN; ORGANIC MATERIALS

Hazardous Decomposition Products:
CARBON MONOXIDE GAS

Hazardous Polymerization Indicator:
YES

Conditions To Avoid Polymerization:
VIOLENT STEAM ERUPTION MAY OCCUR. MAKE ADDITIONS TO IN-USE TANK SLOWLY &CAUTIOUSLY. 4

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