

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-137/13755-29-8.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
13755-29-8
Code:
M

RTECS:
ED2975000
Code:
M

Name:
BORATE (1-), TETRAFLUORO-, SODIUM; (SODIUM FLUOBO

Other REC Limits:
N/K

OSHA PEL:
NOT APPLICABLE
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
NOT APPLICABLE
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
USE NIOSH/MSHA APPROVED FILTER-TYPE DUST RESPIRATOR.

Ventilation:
LOCAL EXHAUST.

Protective Gloves:
5 RUBBER

Eye Protection:
CHEMICAL WORKERS GOGGLES (FP N).

Other Protective Equipment:
Equipment EMERGENCY EYE WASH DELUGE SHOWER (FP N). APRON.

Work Hygienic Practices:
NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health:
FIRST AID PROC:DIZZ, FATG, ETC, SHOULD BE EXAMINED BY MD & MD MADE AWARE OF WHAT MATLS INDIVIDUAL WAS EXPOSED TO.

Health Hazards Data

LD50LC50Mixture:
NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
YES

IARC:
YES

OSHA:
NO

Health Hazards Acute And Chronic:
EYE/SKIN:WILL BURN. INGEST:WILL BURN MUCOUS MEMBRANES. INHAL:DUST CAN CAUSE IRRITATION & ULCERS OF NASAL SEPTUM.

Explanation Of Carcinogenicity:
CHROMIC ACID:NTP KNOWN CARCINOGEN, IARC GRP 1, ACGIH GRP A2.

Signs And Symptions Of Overexposure:
SEE HEALTH HAZARDS.

Medical Cond Aggravated By Exposure:
NONE SPECIFIED BY MANUFACTURER.

First Aid:
SKIN:WASH W/SOAP & WATER & RINSE THORO. EYES:FLUSH IMMED W/COPIOUS AMTS OF WATER FOR AT LST 15 MINS. CALL MD. INGEST:DRINK MILK OF MAGNESIA, ALUMINUM HYDROXIDE GEL OR LIMEWATER FOLLOWED BY SEVERAL GLA SSES OF WATER. CALL MD. DO NOT INDUCE VOMIT UNLESS DIRECTED BY MD. INHAL:REMOVE FROM CONTAM AREA TO FRESH AIR. ANY EXPOSED PERSON W/ANY RESP DFCLTY SUCH AS COUGH, CHEST PAIN, BRTHG DFCLTY, (SUPP DATA)

Spill Release Procedures:
TRANSFER ANY EXCESS TO A CLEAN POLYETHYLENE CONTAINER. TREAT REMAINING RESIDUE W/DILUTE SOLUTION OF SODIUM METABISULFITE TO REDUCE CHROME. NEUTRALIZE W/LIME TO PH 7-8.

Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:
4 DISPOSAL MUST BE I/A/W FEDERAL, STATE & LOCAL REGULATIONS (FP N). FLUSH REDUCED & NEUTRALIZED MATERIAL TO TREATMENT PLANT W/PLENTY OF WATER & W/APPROVAL OF REGULATORY AGENCY.

Handling And Storage Precautions:
KEEP SEPARATE FROM ORGANIC MATERIALS & REDUCING AGENTS. DO NOT BREATHE DUST OR GET IN EYES OR ON SKIN. DO NOT OPEN CONTAINER IN AN UNVENTILATED SPACE.

Other Precautions:
NONE SPECIFIED BY MANUFACTURER.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
NONE

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/K

Upper Limits:
N/K

Extinguishing Media:
WATER.

Fire Fighting Procedures:
WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N).

Unusual Fire/Explosion Hazard:
DO NOT ALLOW POWDER TO COME IN CONTACT W/ ORGANIC MATLS SUCH AS SAWDUST, RAGS, PAPER, ETC. IF PRODUCT HEATED TO DECOMP, TOXIC CYANIDE FUMES MAY BE EMITTED.

Physical/Chemical Properties

HCC:
D4

NRC/State LIC No:
N/A

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/A

Melt/Freeze Pt:

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

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
N/K

Vapor Density:
N/K

Volatile Org Content %:

Spec Gravity:
N/A

VOC Pounds/Gallon:

PH: N/A

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
N/K

Solubility in Water:
APPEACIBLE 6

Appearance and Odor:
DARK ORANGE POWDER, BLAND ODOR.

Percent Volatiles by Volume:
N/K

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid:
ORGANIC MATLS, REDUCING AGENTS, STRONG ACIDS.

Hazardous Decomposition Products:
SOME HYDROGEN FLUORIDE, HYDROGEN CYANIDE, HYDROGEN CYANIDE FUMES.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NOT RELEVANT

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