

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

ACGIH STEL:

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

LD50/LC50 Mixture:

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 Symptoms 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 GLASSES 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:

NONE

Boiling Point:

N/A

B.P. Text:

N/A

Melt/Freeze Pt:

N/A

N/P/F.P Text:

N/A

Decomp Temp:

N/A

Decomp Text:

N/A

Vapor Pres:

N/K

Vapor Density:

N/A

Volatile Org Content %:

N/A

Spec Gravity:

N/A

VOC Pounds/gallon:

N/A

PH:

N/A

VOC Grams/liter:

N/A

Viscosity:

N/P

Evaporation Rate & Reference:

N/A

Solubility in Water:

APPRECIABLE 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

Regulatory Information

Sara Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Other Information:

N/P

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