

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-779/7790-78-5.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

7790-78-5

Code:

M

RTECS:

EV0178000

Code:

M

Name:

CADMUM CHLORIDE;CADMIUM CHLORIDE,HYDRATE(2:5); C

Other REC Limits:

N/P

OSHA PEL:

N/P

Code:**OSHA STEL:****Code:****ACGIH TLV:**

500UG/CUM(AS CD)

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

IF VENTILATION DOES NOT MAINTAIN INHALATION EXOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH RESPIRATOR SELECTION.

Ventilation:

LOCAL AND/OR GENERAL EXHAUST TO KEEP EMPLOYEE EXPOSURES BELOW AIRBORNE EXPOSURE LIMITS.

Protective Gloves:

RECOMMENDED

Eye Protection:

CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:

Equipment CLEAN BODY-COVERING CLOTHING, EYE WASH FOUNTAIN, QUICK-DRENCH SHOWER

Work Hygienic Practices:

WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health:

4 CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING WITH THIS MATERIAL.

Health Hazards Data

LD50/LC50 Mixture:

LD50 ORAL RAT 88 MG/KG

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

YES

IARC:

YES

OSHA:

NO

Health Hazards Acute And Chronic:

RESPIRATORY TRACT IRRITATION, LUNG EDEMA, KIDNEY/LIVER DAMAGE, NECROSIS, SKIN IRRITATION, SKIN ABSORPTION POSSIBLE, EYE IRRITATION. CHRONIC EXPOSURE MAY CAUSE SLOW RENAL AND HEPATIC DETERIORATION, DEC REASE IN BONE DENSITY, KIDNEY STONES AND OTHER EVIDENCE OF DISTURBED CALCIUM METABOLISM. POWERFUL EMETIC.

Explanation Of Carcinogenicity:

CERTAIN CADMIUM COMPOUNDS ARE LISTED AS CARCINOGENS BY THE NTP AND AS CLASS 2A BY IARC. 2

Signs And Symptoms Of Overexposure:

COUGHING, TIGHTNESS IN CHEST, POSSIBLE LUNG EDEMA, LIVER/KIDNEY DAMAGE WITH TUBULAR DISFUNCTION AND NECROSIS, SKIN RDENESS/DISCOMFORT, EYE IRRITATION/MECHANICAL ABRASION.

Medical Cond Aggravated By Exposure:

PRESONS WITH PRE-EXISTING SKIN DISORDERS OR EYE PROBLEMS OR IMPAIRED LIVER, KIDNEY OR RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

First Aid:

INHALATION: REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP WARM AND QUIET. GET MEDICAL ATTENTION. SKIN: WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. INGESTION: INDUCE VOMITING IMMEDIATELY BY GIVING 2 GLASSES OF WATER AND STICKING FINGER DOWN THROAT. CONTACT PHYSICIAN.

Spill Release Procedures:

CLEAN-UP PERSONNEL REQUIRE PROTECTIVE CLOTHING AND RESPIRATORY PROTECTION FROM DUST. COLLECT BY SCOOPING, MOPPING OR WET VACUUMING AS APPROPRIATE. DO NOT FLUSH TO SEWER.

Neutralizing Agent:

NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:

PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

Handling And Storage Precautions:

STORE IN COOL, DRY PLACE. PROTECT AGAINST PHYSICAL DAMAGE. DO NOT BREATHE DUST. KEEP CONTAINER CLOSED WHEN NOT IN USE. USE WITH ADEQUATE VENTILATION.

Other Precautions:

WASH CONTAMINATED CLOTHING AND SHOES BEFORE REUSE. AVOID CROSS-CONTAMINATION OF STREET CLOTHES.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:**Flash Point Text:**

NONFLAMMABLE 3

Autoignition Temp:**Autoignition Temp Text:**

N/A

Lower Limits:

NOT GIVEN

Upper Limits:

NOT GIVEN

Extinguishing Media:

NONFLAMMABLE. USE MEDIA SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures:

FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE.

Unusual Fire/Explosion Hazard:

NONE SPECIFIED BY MANUFACTURER.

Physical/Chemical Properties

T6:**NRC State Lic No:****Net Prop WT For Ammo:****Boiling Point:****B.P. Text:**

1760°, 260°

Melt/Freeze Pt:

1054F, 568C

Decomp Temp:**Decomp Text:**

UNKNOWN

Vapor Pres:

YES

Vapor Density:

NOT GIVEN

Volatile Org Content %:**Spec Gravity:**

DENSITY 4.05

VOC Pounds/Gallon:**PH:**

N/K

VOC Grams/Liter:**N/P:****Viscosity:**

N/P

Evaporation Rate & Reference:

NOT GIVEN

Solubility in Water:

COMPLETE

Appearance and Odor:

COLORLESS, ODORLESS CRYSTALS

Colorless Volatiles by Volume:

N/K

Corrosion Rate:

UNKNOWN

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid:

BROMINE TRIFLUORIDE, POTASSIUM

Hazardous Decomposition Products:

OXIDES OF THE CONTAINED METAL AND HALOGEN, POSSIBLY ALSO FREE, OR IONIC HALOGEN.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

NONE. WILL NOT OCCUR.

Toxicological Information

Information N/P:**Information N/P:**

Regulatory Information

Sara Title III Information: N/P**Federal Registry Information: N/P****State Regulatory Information: N/P****Other Information: N/P**

Other Information

Information N/P:**Information N/P:**