



CADMIUM OXIDE MATERIAL SAFETY DATA SHEET

HEALTH HAZARD INFORMATION

TOXICITY DATA ihl-man TCLO: 40mg/m3: NEO ihl-rat LDLO: 10mg/m3
 scu-rat TDLO: 90mg/kg: NEO ihl-mky LCLO: 250mg/m3
 ihl-man TCLO: 500mg/m3/5Y-l: SYS orl-man LD50: 72mg/kg
 orl-rat LD50: 72mg/kg

HMIS RATING:
HEALTH: **3*** FLAMMABILITY: **0** REACTIVITY: **0** PERSONAL PROTECTION: **X**

ROUTES OF ENTRY INHALATION: **Yes**
 SKIN: **Yes**
 INGESTION: **Yes**

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: **Respiratory Disorders**
EFFECTS OF OVEREXPOSURE (acute and chronic):

INHALATION: **primary route of entry. Respiratory irritant. Ansonia, yellowed teeth, cough, chills, metal fume fever, dyspepsia may result. Pulmonary edema and kidney damage may result. (cigarette smoking increase Cd uptake) CdO fume is highly toxic.**
DERMAL/EYE: **mild irritation/ inflammation may result**
INGESTION: **excessive salivation, vomiting, diarrhea, abdominal pains may occur from acute poisoning. Chronic exposure leads to kidney damage and proteinurea. CNS problems may develop, including hypertension.**

CARCINOGENICITY: **Cd** NTP: **Yes** IARC MONOGRAPHS: **Yes** OSHA REGULATE: **Yes**

EMERGENCY FIRST AID PROCEDURES:
INGESTION: **Administer water and induce vomiting, seek medical attention**
INHALATION: **Remove to fresh air, seek medical attention**
SKIN CONTACT: **Wash affected area with soap and water, seek medical attention**
EYE CONTACT: **Flush eyes for at least 15 minutes with lukewarm water, seek medical.**

REACTIVITY DATA

STABILITY **Stable**
CONDITIONS CONTRIBUTING TO UNSTABILITY **Heat**
INCOMPATIBILITY (MATERIALS TO AVOID) **Mg, strong acids, may act as oxidant**
HAZARDOUS DECOMPOSITION PRODUCTS **Cd fumes**
HAZARDOUD POLYMERZATION **Will Not Occur**
CONDITIONS TO AVOID **High heat, incompatible materials**



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SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Wear self-contained breathing apparatus and full protective clothing, vacuum spill and place in container for proper disposal. Take care not to raise dust.

WASTE DISPOSAL METHOD:

Consult federal, state and local regulations for proper disposal.

SPECIAL PROTECTIVE INFORMATION

RESPIRATORY PROTECTION	NIOSH approved dust-mist-fume respirator
LOCAL EXHAUST	Maintain below TLV
MECHANICAL (general)	Not recommended
SPECIAL	NA
OTHER	NA
PROTECTIVE GLOVES	Neoprene
EYE PROTECTION	Safety glasses
OTHER PROTECTIVE EQUIPMENT	Wear protective clothing to prevent contamination of skin and clothes

SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING/STORAGE:

Store in tightly closed container, store away from heat and incompatible materials, wash hands and face thoroughly after handling and before meals.

TRANSPORTATION REQUIREMENTS	DOT CLASS:	Not Classified
	UN NUMBER:	2570
	IMCO CLASS:	6.1
	OTHER:	

PRECAUTIONARY LABELING

NONE

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NA= NOT APPLICABLE

ND= NO DATA FOUND