

ALDRICH CHEMICAL CO INC./SUB OF SIGMA-ALDRICH CORP -- CADMIUM OXIDE,99.99 + %,20289-4  
-- 6810-01-446-5540

===== Product Identification =====

Product ID:CADMIUM OXIDE,99.99 + %,20289-4

MSDS Date:11/28/1995

FSC:6810

NIIN:01-446-5540

MSDS Number: CFRLQ

=== Responsible Party ===

Company Name:ALDRICH CHEMICAL CO INC./SUB OF SIGMA-ALDRICH CORP

Address:1001 W. ST. PAUL AVE

Box:355

City:MILWAUKEE

State:W

I

ZIP:53201

Country:US

Info Phone Num:414-273-3850/FAX -4979

Emergency Phone Num:414-273-3850

CAGE:60928

=== Contractor Identification ===

Company Name:ALDRICH CHEMICAL CO INC

Address:1001 WEST ST PAUL AVE

Box:355

City:MILWAUKEE

State:WI

ZIP:53233

Country:US

Phone:414-273-3850

CAGE:60928

===== Composition/Information on Ingredients =====

Ingred Name:CADMIUM OXIDE (SARA 302/313) (CERCLA)

CAS:1306-19-0

RTECS #:EV1925000

Fraction by Wt: >99.99%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.2 MG (CD)/M3 DUST  
ACGIH TLV:0.01 MG(CD)/M3; 9596

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===== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 72 MG/KG.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:TARGET ORGANS:KIDNEYS, LUNGS. ACUTE-  
MAY BE FATAL IF INHALED, SWALLOWED OR ABSORBED THROUGH SKIN. CAUSES  
EYES AND SKIN IRRITATION. HIGHLY TOXIC. INHALATION OF DUST MA  
Y  
CAUSE UPPER RESPIRATORY TRACT IRRITATION. EXPOSURE CAN CAUSE  
NAUSEA, VOMITING, HEADACHE. CHRONIC- DAMAGE TO KIDNEYS AND LUNGS.  
Explanation of Carcinogenicity:CONTAINS C [7440-43-9] WHICH IS  
LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A CARCINOGEN.  
Effects of Overexposure:IRRITATION, COUGHING, HEADACHE, NAUSEA,  
VOMITING  
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN  
DISORDERS, EYE PROBLEMS OR IMPAIRED KIDNEY OR RESPIRATORY FUNCTION  
MAY BE MORE SU  
SCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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===== First Aid Measures =====

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:MOVE TO FRESH  
AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES/SKIN:IMMEDIATELY FLUSH WITH  
WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. ORAL:IF CONSCIOUS, WASH  
OUT MOUTH WITH WATER. GET MEDICAL ATTENTION.

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===== Fire Fighting Measures =====

Flash Point:NONE  
Lower Limits:NOT RELEVANT  
Upper Limits  
:NOT RELEVANT  
Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL  
FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED  
CONTAINERS.  
Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED  
SELF-CONTAINED BREATHING APPARATUS. HAZARDOUS DECOMPOSITION  
PRODUCTS MAY BE FORMED.  
Unusual Fire/Explosion Hazard:POWDERED MATERIAL MAY FORM EXPLOSIVE  
DUST-AIR MIXTURES.

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===== Accidental Release Measures =====

Spill Release Pr

cedures:WEAR SELF-CONTAINED BREATHING APPARATUS,  
RUBBER BOOTS AND HEAVY RUBBER GLOVES. SWEEP UP SPILL. AVOID  
CREATING DUST. PLACE IN A BAG. HOLD FOR DISPOSAL. VENTILATE AREA  
AND WASH SPILL SITE AFTER PICKUP I S COMPLETE.

Neutralizing Agent:NOT RELEVANT

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===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE AWAY FROM  
INCOMPATIBLES. KEEP CONTAINER TIGHTLY CLOSED.

Other Precautions:HIGHLY TOXIC. DO NOT RAISE  
DUST. AVOID CONTACT WITH  
EYES, SKIN OR CLOTHING. AVOID INHALATION OF DUST. WASH THOROUGHLY  
AFTER HANDLING MATERIAL. KEEP OUT OF REACH OF CHILDREN. DO NOT  
INGEST. USE ONLY IN A CHEMICAL FUME HOOD.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:WEAR A NIOSH-APPROVED DUST RESPIRATOR OR DUST  
MASK. IN EMERGENCY WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING  
APPARATUS.

Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP FUME OR  
DUST LEVELS AS LOW AS POSSIBLE.

Protective Gloves:RUBBER

Eye Protection:SAFETY GLASSES WITH SIDE SHIELD/GOGGLES

Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, PROTECTIVE  
CLOTHING AND/OR UNIFORM

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES. WASH BEFORE EATING OR DRINKING.

Supplemental Safety and Health

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===== Physical/Chemical Properties =====

HCC:T4

NRC/State Lic Num:NOT RELEVANT

Spec Gravity:8

.15

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Appearance and Odor:RED-BROWN POWDER

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

OXIDIZING AGENTS, ACIDS

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===== Disposal Considerations =====

Waste Disposal Methods:CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL  
SERVICE TO DISPOSE OF THIS MATERIAL. OBSERVE LOCAL, STATE AND  
FEDERAL REGULATIONS.

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