

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:WI

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

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

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Hazards Identification
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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 MAY

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 SUS
CEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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First Aid Measures
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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
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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
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Spill Release Pro

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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