

QUADRA CORPORATION -- CADMIUM OXIDE(ALL GRADES) -- 6810-00-281-8804

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Product Identification
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Product ID:CADMIUM OXIDE(ALL GRADES)

MSDS Date:02/25/1996

FSC:6810

NIIN:00-281-8804

Status Code:A

MSDS Number: CJMTL

=== Responsible Party ===

Company Name:QUADRA CORPORATION

Address:13420 REESE BLVD. WEST

City:HUNTERSVILLE

State:NC

ZIP:28078

Country:US

Info Phone Num:704-875-9968

Emergency Phon

e Num:704-875-9968

CAGE:TO286

=== Contractor Identification ===

Company Name:QUADRA CORPORATION

Address:13420 REESE BLVD. WEST

Box:City:HUNTERSVILLE

State:NC

ZIP:28078

Country:US

Phone:704-875-9968

CAGE:TO286

Company Name:TELECHEM INTERNATIONAL, INC

Address:524 E WEDDELL DRIVE SUITE 3

Box:City:SUNNYVALE

State:CA

ZIP:94089-2115

Country:US

Phone:916-941-3688

Contract Num:SP0450-99-MNC84

CAGE:1KH20

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Composition/Information on Ingredients
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Ingred Name:CADMIUM OXIDE

CAS:

1306-19-0

RTECS #:EV1925000

= Wt:99.

OSHA PEL:0.1 MG/M3 AS CD DUST

ACGIH TLV:0.02 MG/M3

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) 72 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:TARGET ORGANS: RESPIRATORY SYSTEM,
LUNGS, KIDNEYS, BLOOD. ACUTE EXPOSURE: INGESTION: CADMIUM IS HIGHLY
IRRITATING TO THE STOMACH LINING. SWAL

LOWING DUSTS OR SOLIDS MAY

CAUSE NAUSEA, VOMITING, STOMACH AND ABDOMINAL PAIN. INHALATION:
WILL CAUSE DRY THROAT, COUGHING, HEADACHE, VOMITING, CHEST PAIN AND
CHILLS. EYES: MAY CAUSE SERIOUS IRRITATION RESULTING IN CORNEAL
BURNS. SKIN: PROLONGED CONTACT MAY IRRITATE SKIN. CADMIUM CAN BE
ABSORBED THROUGH THE SKIN. CHRONIC EXPOSURE: MAY RESULT IN
PULMONARY EDEMA WITHIN 24 HOURS AND EPITHELIAL HYPERPLASIS,
PERMANENT LUNG OR KIDNEY DISEASE MAY RESULT FROM CHRONIC EXPOSURE.

Explanation of Carcinogenicity:LISTED AS AN ATP ANTICIPATED HUMAN

CARCINOGEN AND AN IARC PROBABLE HUMAN CARCINOGEN (GROUP 2A AND 2B)

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

First Aid:EYE CONTACT: FLUSH EYES IMMEDIATELY WITH FLOWING WATER FOR AT
LEAST 15 MINUTES WHILE KEEPING UPPER AND LOWER EYELIDS APART.
CONSULT A PHYSICIAN IMMEDIATELY. SKIN CONTACT: WASH AFFECTED SKIN
AREA WITH SOAP AND WATER AND RINSE THOROUGHLY WITH FLOWING WATER
FOR A

T LEAST 15 MINUTES. CONSULT A PHYSICIAN IF IRRITATION
PERSISTS OR DEVELOPS. INGESTION: INDUCE VOMITING AND CONSULT A
PHYSICIAN IMMEDIATELY. INHALATION: MOVE VICTIM TO FRESH AIR.
ASSIST BREATHING IF NECESSARY. GIVE OXYGEN OR ADMINISTER ARTIFICIAL
RESPIRATION IF REQUIRED. SPECIAL NOTE: NEVER GIVE FLUID OR INDUCE
VOMITING TO AN UNCONSCIOUS VICTIM. PLACE VICTIM IN A STABLE SIDE.

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

Extinguishing Media:CARBON DI

OXIDE OR DRY CHEMICAL

Fire Fighting Procedures:WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS (SCBA) WHEN EITHER IN CONFINED AREA OR EXPOSED TO COMBUSTION PRODUCTS.USE WATER TO COOL FIRE EXPOSED CONTAINERS.
Unusual Fire/Explosion Hazard:EXCESSIVE TEMPERATURES MAY CAUSE PRODUCT TO DECOMPOSE AND LIBERATE TOXIC FUMES OF CADMIUM OXIDE.

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

Spill Release Procedures:-WEAR NECESSARY PROTECTIVE CLOTHING AND EQUIPMENT. SWEEP UP WHILE AVOIDING DUST GENERATION. PLACE IN A PROPERLY LABELED CONTAINER FOR LATER DISPOSAL. LARGER SPILLS MAY REQUIRE A VACUUM

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

Handling and Storage Precautions:STORE IN A COOL, DRY AND WELL-VENTILATED LOCATION. PROTECT FROM HUMIDITY. KEEP CONTAINERS TIGHTLY CLOSED. STORE AWAY FROM INCOMPATIBLE MATERIALS.
Other Precautions:DO NOT HANDLE UNLESS THE SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD.
AVOID EYE AND SKIN CONTACT. AVOID INHALATION OF DUST OR VAPORS. DO NOT PUNCTURE, DRAG OR SLIDE CONTAINERS. DO NOT SMOKE IN ANY CHEMICAL HANDLING OF STORAGE AREA. WASH HANDS BEFORE EATING.

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

Respiratory Protection:WEAR NIOSH/MSHA-APPROVED CHEMICAL FILTER RESPIRATOR IF EXPOSED TO DUST PARTICLES DURING PRODUCT APPLICATION OR IF OCCUPATIONAL EXPOSURE LIMITS(TLV) ARE EXCEEDED.

Ventilation:LOCAL EXHAUST SYSTEM IS RECOMMENDED.

Protective Gloves:RUBBER OR PLASTIC GLOVES

Eye Protection:CHEMICAL GOGGLES

Other Protective Equipment:RUBBER BOOTS.WEAR NECESSARY PROTECTIVE CLOTHING TO PREVENT ANY POSSIBILITY OF SKIN CONTACT WITH PRODUCT.USE PROTECTIVE BARRIER SKIN CREAM IF CONTACT IS LIKELY.

Work Hygienic Practices:DISCARD LEATHER ARTICLES WATCHBANDS OR BELTS WHICH HAVE BEEN CONTAMINATED WITH THIS PRODUCT.REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE.WASH THOROUGHLY AFTER HANDLING.

Supplements

tal Safety and Health

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

HCC:T3

Boiling Pt:=765.C, 1409.F

Melt/Freeze Pt:=318.C, 604.4F

Spec Gravity:6.95@20C

Evaporation Rate & Reference:N/AP

Solubility in Water: