

126412
DOD Hazardous Materials Information System

DoD 6050.5-L

AS OF July 1998

FSC: 6810
NIIN: 002643939
Manufacturer's CAGE: 32618
Part No. Indicator: A
Part Number/Trade Name: CHROMIC ACID-FLAKE

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General Information

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Item Name: CHROMIUM TRIOXIDE, TECHNICAL, FLAKE
Company's Name: OCCIDENTAL CHEM CORP. DIV OF OCCIDENTAL PETROLEUM
Company's Street: 360 RAINBOW BOULEVARD SOUTH, SUITE 400
Company's P. O. Box: 728
Company's City: NIAGARA FALLS
Company's State: NY
Company's Country: US
Company's Zip Code: 14302
Company's Emerg Ph #: 716-278-7021
Company's Info Ph #: 716-286-3081
Distributor/Vendor # 1: DIAMOND SHAMROCK CHEMICALS COMPANY
Distributor/Vendor # 1 Cage: 0AH54
Distributor/Vendor # 2:
Distributor/Vendor # 2 Cage:
Distributor/Vendor # 3:
Distributor/Vendor # 3 Cage:
Distributor/Vendor # 4:
Distributor/Vendor # 4 Cage:
Safety Data Action Code:
Safety Focal Point: D
Record No. For Safety Entry: 008
Tot Safety Entries This Stk#: 014
Status: SMU
Date MSDS Prepared: 17JUN88
Safety Data Review Date: 13MAR96
Supply Item Manager: CX
MSDS Preparer's Name:
Preparer's Company:
Preparer's St Or P. O. Box:
Preparer's City:
Preparer's State:
Preparer's Zip Code:

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Other MSDS Number:
MSDS Serial Number: BNCBL
Specification Number: O-C-303
Spec Type, Grade, Class: NONE
Hazard Characteristic Code: D4
Unit Of Issue:
Unit Of Issue Container Qty:
Type Of Container:
Net Unit Weight:

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NRC/State License Number: N/R
Net Explosive Weight:
Net Propellant Weight-Ammo: N/R
Coast Guard Ammunition Code:

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Ingredients/Identity Information

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Proprietary: NO
Ingredient: CHROMIC ACID (CHROMIUM TRIOXIDE)
Ingredient Sequence Number: 01
Percent: 99-100%
Ingredient Action Code:
Ingredient Focal Point: D
NIOSH (RTECS) Number: GB6650000
CAS Number: 1333-82-0
OSHA PEL: 100 MICRO GRAMS/M3
ACGIH TLV: 50 MICRO GRAMS/M3
Other Recommended Limit: NOT ESTABLISHED

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Physical/Chemical Characteristics

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Appearance And Odor: SOLID DARK RED FLAKES OR POWDER; NO ODOR
Boiling Point: UNKNOWN
Melting Point: 387F,197C
Vapor Pressure (MM Hg/70 F): UNKNOWN
Vapor Density (Air=1): UNKNOWN
Specific Gravity: SOLID
Decomposition Temperature: UNKNOWN
Evaporation Rate And Ref: UNKNOWN
Solubility In Water: 63% @ 25C
Percent Volatiles By Volume: N/K
Viscosity:

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pH: 0.2-2
Radioactivity:
Form (Radioactive Matl):
Magnetism (Milligauss):
Corrosion Rate (IPY): UNKNOWN
Autoignition Temperature:

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Fire and Explosion Hazard Data

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Flash Point: NON-FLAMMABLE
Flash Point Method: N/P
Lower Explosive Limit: UNKNOWN
Upper Explosive Limit: N/R
Extinguishing Media: PRODUCT IS NOT COMBUSTIBLE. WATER FOG, DRY CHEMIC
AL
OR CARBON DIOXIDE MAY BE USED IN AREAS WHERE PRODUCT IS STORED.
Special Fire Fighting Proc: FIRE FIGHTERS SHOULD USE NIOSH APPROVED SC
BA &
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY
TO
COOL NEARBY CONTAINERS EXPOSED TO FIRE.
Unusual Fire And Expl Hazrds: UNDER FIRE CONDITIONS, DECOMPOSING MATER
IAL
MAY FORM A HOT VISCOUS FOAM. OXIDIZER. AVOID CONTACT WITH ORGANIC
MATERIALS.

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Reactivity Data

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Stability: YES
Cond To Avoid (Stability): UNDER NORMAL USE CONDITIONS, THIS PRODUCT I
S
STABLE.
Materials To Avoid: AVOID CONTACT WITH ORGANIC MATERIALS, OILS, GREASE
S,
OR ANY EASILY OXIDIZABLE MATERIAL. PRODUCT IS HYGROSCOPIC.
Hazardous Decomp Products: NONE
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT APPLICABLE

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Health Hazard Data

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LD50-LC50 Mixture: LD50 (ORAL RAT) IS UNKNOWN

Route Of Entry - Inhalation: YES

Route Of Entry - Skin: YES

Route Of Entry - Ingestion: YES

Health Haz Acute And Chronic: CONTACT WITH WET OR MOIST TISSUES MAY PRODUCE BURNS. CAUSE SEVERE IRRITATION TO EYES, POSSIBLE BLINDNESS. MAY

CAUSE DEEP PENETRATING ULCERS (CHROME SORES) ON SKIN. MAY CAUSE SEVERE IRRITATIO OF RESPIRATORY TRACT AND NASAL SEPTUM WITH POSSIBLE PERFORAT ION.

INGESTION MAY RESULT IN KINDEY FAILURE AND DEATH.

Carcinogenicity - NTP: YES

Carcinogenicity - IARC: YES

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: NTP AND IARC HAVE DETERMINED THAT THERE I S

SUFFICIENT EVIDENCE FOR THE CARCINOGENICITY OF HEXAVALENT CHROMIUM COMPOUNDS.

Signs/Symptoms Of Overexp: EYE: SEVERE IRRITATION, CONJUNCTIVITIS. SKI N:

IRRITATION, BURNS, ULCERATION. INHALED: RESPITRATORY IRRITATION, INCLU DING

ULCERATION AND PERFORATION OF SEPTUM. INGESTED: SEVERE G/I IRRITATION, BURNS, KIDNEY DAMAGE.

Med Cond Aggravated By Exp: PERSONS WITH A HISTORY OF AILMENTS OR WITH A

PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR RESPIRATORY TRACT MA Y BE

AT INCREASED RISK FROM EXPOSURE.

Emergency/First Aid Proc: INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF

NOT BREATHING. GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLEN TY OF

WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN :

REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL ATTENTION.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: STOP LEAKS. REMOVE AS MUCH AS POSSIBLE (E.G.

VACUUM TRUCK). THEN TREAT THE SPILL AREA WITH A REDUCING AGENT TO CONV

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THE HEXAVALENT CHROMIUM TO THE TRIVALENT FORM AND NEUTRALIZE WITH A WEAK

BASE. SOAK UP AND PROPERLY STORE. DO NOT FLUSH TO SEWER.

Neutralizing Agent: SODIUM BICARBONATE, SODA ASH OR LIME. REDUCE WITH SODIUM BISULFITE, OR OTHERS.

Waste Disposal Method: DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. IF IN SOLUTION,

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MUST BE REDUCED TO TRIVALENT CHROMIUM FIRST AND THEN NEUTRALIZED TO FORM

PRECIPITANT.

Precautions-Handling/Storing: DO NOT STORE IN CLOSE PROXIMITY TO COMBUSTIBLE MATERIALS. STORE IN TIGHTLY CLOSED CONTAINERS AWAY FROM SOURCES

OF HEAT AND MOISTURE.

Other Precautions: REDUCE WITH SODIUM BISULFITE, SODIUM SULFITE, FERROUS

SULFATE OR FERROUS CHLORIDE. NEUTRALIZE TO A PH 7.5 WITH SODA ASH, CAUSTIC

SODA OR LIME TO FORM A PRECIPITATE. DO NOT REUSE CONTAINER.

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Control Measures

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Respiratory Protection: IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED DUST CARTRIDGE AND DUST/

MIST PRE-FILTER RESPIRATORS AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/

WARNINGS AND NIOSH-RESPIRATOR SELECTION.

Ventilation: MECHANICAL (GENERAL) ROOM VENTILATION IS NORMALLY ADEQUATE.

LOCAL EXHAUST MAY BE REQUIRED IF WORK AREA NOT VENTED.

Protective Gloves: INDUSTRIAL GRADE RUBBER OR PVC

Eye Protection: SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment: EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices: USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID UNNECESSARY CONTACT. WASH THOROUGHLY BEFORE EATING OR DRINKING.

Suppl. Safety & Health Data: AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT

GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS. * MSDS RECEIVED

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FROM FOCAL POINT F (AIR FORCE). AIR FORCE IDENTIFIED THE NSN.

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Transportation Data

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Transportation Action Code:
Transportation Focal Point:
Trans Data Review Date:
DOT PSN Code:
DOT Symbol:
DOT Proper Shipping Name:
DOT Class:
DOT ID Number:
DOT Pack Group:
DOT Label:
DOT/DoD Exemption Number:
IMO PSN Code:
IMO Proper Shipping Name:
IMO Regulations Page Number:
IMO UN Number:
IMO UN Class:
IMO Subsidiary Risk Label:
IATA PSN Code:
IATA UN ID Number:
IATA Proper Shipping Name:
IATA UN Class:
IATA Subsidiary Risk Class:
IATA Label:
AFI PSN Code:

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AFI Symbols:
AFI Prop. Shipping Name:
AFI Class:
AFI ID Number:
AFI Pack Group:
AFI Label:
AFI Special Prov:
AFI Basic Pac Ref:
MMAC Code:
N.O.S. Shipping Name:
Additional Trans Data:

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Disposal Data

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Disposal Data Action Code:
Disposal Data Focal Point:
Disposal Data Review Date:
Rec # For This Disp Entry:
Tot Disp Entries Per NSN:
Landfill Ban Item:
Disposal Supplemental Data:
1st EPA Haz Wst Code New:
1st EPA Haz Wst Name New:
1st EPA Haz Wst Char New:
1st EPA Acute Hazard New:
2nd EPA Haz Wst Code New:
2nd EPA Haz Wst Name New:
2nd EPA Haz Wst Char New:
2nd EPA Acute Hazard New:
3rd EPA Haz Wst Code New:
3rd EPA Haz Wst Name New:
3rd EPA Haz Wst Char New:
3rd EPA Acute Hazard New:

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Label Data

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Label Required: YES
Technical Review Date: 09JUL92
Label Date:
MFR Label Number: NONE
Label Status: F
Common Name: CHROMIC ACID-FLAKE
Chronic Hazard: N/P
Signal Word: DANGER!
Acute Health Hazard-None:
Acute Health Hazard-Slight:
Acute Health Hazard-Moderate: X
Acute Health Hazard-Severe:
Contact Hazard-None:
Contact Hazard-Slight:
Contact Hazard-Moderate:
Contact Hazard-Severe: X
Fire Hazard-None: X

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Fire Hazard-Slight:
Fire Hazard-Moderate:
Fire Hazard-Severe:

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Reactivity Hazard-None:

Reactivity Hazard-Slight:

Reactivity Hazard-Moderate: X

Reactivity Hazard-Severe:

Special Hazard Precautions: POISONOUS IF SWALLOWED. INHALATION OF DUST POISONOUS. CONTACT MAY CAUSE BURNS TO SKIN AND EYES. FIRE MAY PRODUCE IRRITATING OR POISONOUS GASES. RUNOFF FROM FIRE CONTROL OR DILUTION WATER

MAY CAUSE POLLUTION. ACUTE: INHALING DUST OR MIST MAY CAUSE IRRITATION OF

THE NASAL SEPTUM AND RESPIRATORY TRACT. SKIN CONTACT MAY CAUSE SEVERE BURNS. MODERATE IRRITATION OR CONJUNCTIVITIS OF THE EYES. INGESTION MAY

CAUSE SEVERE TISSUE DESTRUCTION. CHRONIC: ULCERATION AND PERFORATION OF THE

NASAL SEPTUM, KIDNEY FAILURE AND DEATH. DO NOT STORE IN CLOSE PROXIMITY TO

COMBUSTIBLE MATERIALS. STORE IN TIGHTLY CLOSED CONTAINERS AWAY FROM SOURCES

OF HEAT.

Protect Eye: Y

Protect Skin: Y

Protect Respiratory: Y

Label Name: OCCIDENTAL CHEM CORP. DIV OF OCCIDENTAL PETROLEUM

Label Street: 360 RAINBOW BOULEVARD SOUTH, SUITE 400

Label P.O. Box: 728

Label City: NIAGARA FALLS

Label State: NY

Label Zip Code: 14302

Label Country: US

Label Emergency Number: 716-278-7021

Year Procured: N/K