

E.I. DUPONT NEMOURS & COMPANY INC. -- O-C-303,CHROMIUM TRIOXIDE,TECHNICAL --  
6810-00-264-6517

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

Product ID:O-C-303,CHROMIUM TRIOXIDE,TECHNICAL

MSDS Date:01/01/1985

FSC:6810

NIIN:00-264-6517

MSDS Number: BDQMD

=== Responsible Party ===

Company Name:E.I. DUPONT NEMOURS & COMPANY INC.

Address:1007 MARKET STREET

Box:1635

City:WILMINGTON

State:DE

ZIP:19899

Country:US

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Info Phone Num:800-441-7515

Emergency Phone Num:800-441-7515

CAGE:EO715

=== Contractor Identification ===

Company Name:E.I. DUPONT DE NEMOURS & CO

Address:1007 MARKET STREET

Box:City:WILMINGTON

State:DE

ZIP:19898

Country:US

Phone:800-441-7515;800-441-9442

CAGE:18873

Company Name:E.I. DUPONT NEMOURS/WILMINGTON, DELAWARE 19898

CAGE:EO715

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

Ingred Name:CHROMIUM (VI) OXIDE

CAS:1333-82-0

RTECS #:GB6650000

Fraction by Wt: 99.5%

OSHA P

EL:C, 0.1 MG/M3 (CRO3)  
ACGIH TLV:0.05 MG/M3(CR); 8990

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Hazards Identification  
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Effects of Overexposure:VERY IRRITATING TO EYES & RESPIRATORY  
TRACT.INGEST:SEVER GI SYMPTOMS; EYES & SKIN BURNS.

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First Aid Measures  
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First Aid:SKIN:FLUSH W/WATER.CLOTHING CONTACTED W/SOLUTIONS OR DUST  
SHOULD BE REMOVED PROMPTLY & WASHED BEFORE RENSE.EYES:IMMEDIATELY  
FLUSH EYES W/PLENTY OF WATER FOR 15 MIN. CALL  
MD. INHAL:IRRIGATE  
NASAL PASSA GES & MOUTH.

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Fire Fighting Measures  
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Extinguishing Media:H\*2O,CO\*2 OR DRY CHEM. FIRE FIGHTING AGENTS.  
Fire Fighting Procedures:NONE  
Unusual Fire/Explosion Hazard:CHROMIC ACID IS NOT COMBUSTIBLE,BUT MAY  
IGNITE OXIDIZABLE SUBSTANCES.CONTAINERS MAY EXPOLDE WHEN HTD

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Accidental Release Measures  
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Spill Release Procedures:SOLIDS SHOULD BE SHOVELED UP. AREA SHOULD BE  
FLUSHE  
D W/WATER.REMAINING TRACES SHOULD BE NEUTRALIZED W/SODA  
ASHIDISSOLVED SOLIDS MAY THEN BE TREATED BY APPROPRIATE DISPOSAL  
METHOD.

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Handling and Storage  
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Handling and Storage Precautions:DO NOT STORE IN HUMID AIR.DO NOT STORE  
IN CLOSED PROXIMITY TO EAZILY OXIDIZABLE MATERIALS(YELLOW  
LABEL).AVOID CONTACT W/SKIN OR EYES.AVOID BREATH.MIST  
Other Precautions:DO NOT TAKE INTERNALLY.STORE IN A COOL,DRY PLACE.

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Exposure Controls  
/Personal Protection  
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Respiratory Protection:DUST RESPIRATOR(U.S.BUREAU OF MINES 2175 MOKEL  
1700 OR AMER.OPTICAL.  
Ventilation:LOCAL EXHAUST & MECHANICAL VENTILATION IS RECOMMENDED  
Protective Gloves:RUBBER OR PLAST  
Eye Protection:SAFETY GOGGLES  
Other Protective Equipment:RUBBER SAFETY TOED SHOES.  
Supplemental Safety and Health

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Physical/Chemical Properties  
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HCC:D3  
NRC/State Lic Num:NOT RELEVANT  
Spec Gravity:2.7  
Solubility in Water:APPRECI

ABLE

Appearance and Odor:DARK RED SOLID FLAKES,NO ODOR.

Percent Volatiles by Volume:0.0.

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

Stability Indicator/Materials to Avoid:YES

CHROMIC ACID IS A STRONG OXIDIZING AGENT. AVOID OILS,GREASES

Stability Condition to Avoid:CHROMIC ACID IS HYDROSCOPIC.DO NOT STORE  
IN HUMID PLACES.

Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:HEXAVALENT CHRO

MIUM IN SOLN MAY BE REDUCED TO

TRIVALENT CHROMIUM BY VARIETY OF REDUCING AGENTS SUCH AS SODIUM  
BISULFITE,SODIUM SULFITE;THEN BE PRECIPITATED AS THE HYDROUS  
CHROMIC OXIDE BY NEUTRALIZING TO A PH OF 7.5 W/SODA ASH,LIME OR  
CAUSTI SODA.

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