

ESSEX CHEMICAL CORPORATION -- O-C-303,CHROMIUM TRIOXIDE,TECHNICAL  
6810-00-264-6517

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

MSDS Date:01/01/1985

FSC:6810

NIIN:00-264-6517

MSDS Number: BDQMF

=== Responsible Party ===

Company Name:ESSEX CHEMICAL CORPORATION

Address:1401 BROAD ST

City:CLIFTON

State:NJ

ZIP:07015

Country:US

Emergency Phone Num:248-391-6300

C

AGE:22360

=== Contractor Identification ===

Company Name:ESSEX CHEMICAL CORP

Address:1250 HARMON RD

Box:City:AUBURN HILLS

State:MI

ZIP:48326

Country:US

Phone:248-391-6300

CAGE:22360

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Composition/Information on Ingredients  
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Ingred Name:CHROMIUM (VI) OXIDE

CAS:1333-82-0

RTECS #:GB6650000

Fraction by Wt: 99.5%

OSHA PEL: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:STRONG

IRRITATION OF SKIN & MUCOUS  
MEMBRANES.DERMATITIS,CHROME ULCER,LOSS OF EYESIGHT,CHROME HOLE.

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First Aid Measures  
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First Aid:FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.GET  
IMMEDIATE MEDICAL ATTENTION FOR EYES & SKIN BURNS OR IF INGESTED.IF  
INHALED,REMOVE TO UNCONTAMINATED AREA & GET IMMEDIATE MEDICAL  
ATTENTION.WASH CONTAMINATED AREAS OF BODY WITH LARGE AMOUNTS H\*2O

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Fire Fighting Measures  
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Flash Point:N.A.

Extinguishing Media:WATER

Fire Fighting Procedures:FLUSH WITH WATER

Unusual Fire/Explosion Hazard:POWERFUL OXIDIZING AGENT.MAY IGNITE  
OXIDIZABLE MATERIALS.KEEP AWAY FROM COMBUSTIBLES,E.G;PAPER,WOOD

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Accidental Release Measures  
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Spill Release Procedures:COVER WITH WEAK REDUCING AGENTS SUCH AS  
HYPO,BISULFITES OR FERROUS SALTS.BISULFITES OR FERROUS SALTS NEED  
ADDITIONAL PROMOTER OF SOME 3M-H\*2SO\*4 FOR RAPID REACTION.T  
RANSFER  
THE SLURRY INTO A LARGE CON TAINER OF WATER,NEUTRALIZE WITH SODA  
ASH

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Handling and Storage  
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Handling and Storage Precautions:STORE IN DRY AREA WITH TIGHTLY CLOSED  
STEEL CONTAINERS OUT OF CONTACT WITH COMBUSTIBLES OR ORGANICS SUCH  
AS GREASES.AVOID WOOD FLOORING.

Other Precautions:PROTECT CONTAINERS AGAINST PHYSICAL DAMAGE,WEAR  
RUBBER GLOVES,MASK,COVERALLS,RUBBER APRONS,RUBBER SHOES & SELF  
CONTAINED BREATHING APPARATUS

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Exposure Controls/Personal Protection  
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Respiratory Protection:U.S.BUREAU OF MINES 2175 MODEL7100 DUST  
RESPIRATOR

Ventilation:ADEQUATE TO REMOVE DUST OR MISTS.

Protective Gloves:RUBBER

Eye Protection:CHEMICAL SAFETY GOGGLES

Other Protective Equipment:FACE SHIELD,RUBBER SLEEVES,APRONS,HARD  
HATS,CLOTHING

Supplemental Safety and Health

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Physical/Chemical Properties  
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HCC:D3

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:>230.C,

446.F  
Spec Gravity:2.7  
Solubility in Water:62 PERCENT  
Appearance and Odor:SOLID,DARK RED FLAKES OR POWDER,NO ODOR

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

Stability Indicator/Materials to Avoid:YES  
COMBUSTIBLES & MANY ORGANICS,REDUCING AENTS,OILS,GREASES  
Stability Condition to Avoid:EXPOSURE TO MOIST AIR DISKS UP WATER  
Hazardous Decomposition Products:AT 387F OXYGEN GAS & CHROMIC OXIDE

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

Waste Disposal Methods:USE VAST VOLUME OF CONCENTRATED SOLUTION OF REDUCING AGENT(BISULFITES OR FERROUS SALTS WITH 3M-H<sup>2</sup>SO<sup>4</sup> OR HYPO).NEUTRALIZE WITH SODA ASH OR DILUTE HCL.DRAIN INTO AN APPROVED DISPOSAL AREA.

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