

FISHER SCIENTIFIC CHEMICAL DIV. -- A100500 CHROMIUM TRIOXIDE -- 6810-00-264-6517
===== Product Identification =====

Product ID:A100500 CHROMIUM TRIOXIDE

MSDS Date:01/24/1990

FSC:6810

NIIN:00-264-6517

MSDS Number: BKHLC

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Info Phone Num:(201) 796-7100

Emergency Phone Num:(2

01) 796-7100

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

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

Ingred Name:CHROMIC ACID (SOLID OR SOLUTION), CRO3, CHROMIUM (VI)
OXIDE, CR-O3

CAS:1333-82-0

RTECS #:GB6650000

Fraction by Wt: >98%

OSHA PEL:0.1 MG/CUM (CRO3)

ACGIH TLV:0.05 MG/CUM (CR)

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Hazards Identification =====

LD50 LC50 Mixture:ORAL LD50 (RAT): 80 MG/KG

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

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:INHALATION:

CORROSION/SENSITIZATION/COUGH/SNEEZE/RHINORRHEA/BRONCHOSPASM/FEVER/
WEIGHT LOSS/PULMONARY EDEMA/HEADACHE. SKIN:

CORROSION/SENSITIZATION/ULCERS/DERMATITIS/ECZEMA. EYE: VISION
LOSS/BURN/CORNEAL INJURY & STAINING/CONJUNCTIVITIS. INGES

TION:

NEPHROTOXIC/CORROSION/LIVER & KIDNEY DAMAGE/GASTROINTESTINAL
DISORDERS.

Explanation of Carcinogenicity:CHROMIUM TRIOXIDE IS A HUMAN CARCINOGEN.

Effects of Overexposure:INHALATION: TRACHEOBRONCHIAL

EDEMA/ASTHMA/ULCER/LARYNGEAL MUCOSA HYPEREMIA/TOOTH

EROSION/RHEUMATIC PAIN/CNS EFFECT/LUNG CANCER/FATIGUE. INGESTION:

DYSPHAGIA/DIARRHEA/MYALGIA/UREMIA/OLIGURIA/CIRCULATOR Y

COLLAPSE/DEATH/HEMORRHAGING/VOMITING.SKIN:

ALLERGIES/ABRASION/LICHENIFIED/BACTERIAL INFECTION.

EYE: CORROSION.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN. SKIN: WASH
W/SOAP/WATER. COVER W/STERILE/DRY DRESSING/BANDAGE SECURELY
AVOIDING TIGHTNESS. EYE: WASH W/WATER/NORMAL SALINE. COVER
W/STERILE BANDAGE. I NGESTION: DON'T USE GASTRIC LAVAGE/EMESIS.
DILUTE ACID/DRINK WATER/MILK. IF VOMITING, KEEP HEAD BELOW HIPS TO
PREVENT ASPIRATION. TREAT SHOCK. USE DIMERCAPROL AS ANTIDOTE.
OBTAIN
MEDICAL ATTENTION.

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

Extinguishing Media:CO2, HALON, WATER SPRAY OR FOG

Fire Fighting Procedures:MOVE CONTAINERS. USE WATER TO COOL

FIRE-EXPOSED CONTAINERS. USE UNMANNED HOSE HOLDER/MONITOR NOZZLES.

WEAR SCBA W/FULL FACEPIECE IN POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:CONTACT W/EASILY

OXIDIZABLE/ORGANIC/COMBUSTIBLE MATERIAL MAY RESULT IN

IGNITION/VIOLENT COMBUSTION/EXPLOSION. NEGLIGIBLE FIRE HAZAR

D WHEN
EXPOSED TO HEAT/FLAME.

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

Spill Release Procedures:CONTAIN MATERIAL BY DIGGING PIT/POND/LAGOON.
COVER SOLID W/PLASTIC SHEET TO PREVENT DISSOLVING. USE MECHANICAL
LIFT/DREDGES TO EXTRACT POLLUTION/PRECIPITATE MASS. DIKE/PLACE
DRIED SPILL INTO CONTAINER W/SHOVEL. EVACUATE AREA. KEEP
COMBUSTIBLES AWAY.

Neutralizing Agent:SODIUM BICARBONATE, SLAKED OR AGRICULTURAL LIME, OR
CRUSHED LIMESTONE

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

Handling and Storage Precautions:KEEP AWAY FROM STORAGE TANK ENDS.
OBSERVE ALL PRECAUTIONS. KEEP FROM COMBUSTIBLE/INCOMPATIBLE
SUBSTANCES/PHYSICAL DAMAGE/WOODEN FLOORS.

Other Precautions:AVOID MOISTURE, WHICH MAY LEAD TO RUSTING-OUT OF
CONTAIENRS. AVOID CONTACT W/SKIN, EYES, & CLOTHING.

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

Respiratory Protection:WEAR NIOSH/MSHA DUST/MIST/AIR-SUPPLIED/PURIFYING
RESPIRATOR W/FULL TIGHT-FITTING FACEPIECE W/HIGH-EFFICIENCY
PARTICULATE FILTER OPERATED IN CONTINUOUS FLOW
MODE/PRESSURE-DEMAND/POSITIVE PRESSURE MODE. DON'T USE
SINGLE-USE/QUARTER-MASK.

Ventilation:PROVIDE LOCAL EXHAUST OR PROCESS ENCLOSURE VENTILATION TO
KEEP