

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

Product ID:CHROMERGE

MSDS Date:02/11/1994

FSC:6810

NIIN:00-890-2052

MSDS Number: BQGPT

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CO CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100

Emergency Phone Num:201-796-7100 OR 201-796-7523

Preparer's Name:NONE

CAGE:1B464

=== Contractor Identifi

cation ===

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:CHROMIUM TRIOXIDE (CHROMIC ANHYDRIDE)

CAS:1333-82-0

RTECS #:GB6650000

Fraction by Wt: 50%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1 MG (CRO3)/M3

ACGIH TLV:0.05 MG (CR)/M3 (A1)

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt

: 50%
Other REC Limits:NONE RECOMMENDED

===== 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:MAY CAUSE RESPIRATORY TRACT
IRRITATION, TRACHEOBRONCHITIS, CENTRAL NERVOUS SYSTEM EFFECTS, SKIN
BURNS, EYE BURNS, FULMINATING GASTROENTERITIS
Explanation of Carcinogenicity:CONTAINS CHROMIUM WHICH IS CLASSIFIED AS
A KNOWN HUMAN CARCINOGEN BY NTP AND GROUP 1 BY IARC.
Effects of Overexposure:RESPIRATORY TRACT IRRITATION, COUGH, SORE
THROAT, CHEST PAIN, LIGHTEADEDNESS, HEADACHE, SINUSITIS,
LARYNGITIS, SNEEZING, RHINORRHEA, WHEEZING, DYSPNEA, PULMONARY
EDEMA, ANOREXIA, FEVER, SKIN CORROSION AND BURNS, EYE CORROSION,
EYE PAIN, BLURRED VISION, SEVERE EYE BURNS, NAUSEA, VOMITING,
THIRST, VERTIGO, OLIGURIA.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP
WARM AND QUIET. GET MEDICAL ATTENTION. SKIN: WASH AFFECTED AREA
THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL
ATTENTION. EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES.
GET MEDICAL ATTENTION. INGESTION: REMOVE BY GASTRIC LAVAGE OR
EMESIS IF CONSCIOUS. GET MEDICAL ATTENTION IMMEDIATELY.

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

Flash Point:NONFLAMMABLE
Lower Limits:NOT GIVEN
Upper Limits:NOT GIVEN
Extinguishing Media:WATER ONLY
Fire Fighting Procedures:MOVE CONTAINER FROM FIRE AREA IF CAN DO SO
WITHOUT RISK. APPLY COOLING WATER TO SIDES OF CONTAINERS THAT ARE
EXPOSED TO FLAMES UNTIL WELL AFTER FIRE IS OUT.
Unusual Fire/Explosion Hazard:AVOID BREATHING CORROSIVE VAPORS. KEEP
UPWIND. STAY AWAY FROM ENDS OF TANKS.

===== Accidental Releases =====

e Measures =====

Spill Release Procedures:KEEP COMBUSTIBLES AWAY FROM SPILLED MATERIAL.
DO NOT TOUCH SPILLED MATERIAL. STOP LEAK IF CAN DO SO WITHOUT RISK.
TAKE UP WITH SHOVEL AND PLACE INTO CONTAINERS FOR DISPOSAL.
Neutralizing Agent:AGRICULTURAL LIME, SLAKED LIME, CRUSHED LIMESTONE OR
SODIUM BICARBONATE.

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

Handling and Storage Precautions:PROTECT AGAINST PHYSICAL DAMAGE. STORE
IN COOL, DRY, WELL
VENTILATED PLACE, AWAY FROM ANY AREA WHERE THE
FIRE HAZARD MAY BE ACUTE.
Other Precautions:STORE AWAY FROM INCOMPATIBLE SUBSTANCES. MAY IGNITE
COMBUSTIBLES (WOOD, PAPAER, OIL, ETC.). AVOID CONTACT WITH EYES AND
SKIN.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION
EXOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER
CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH R
ESPIRATOR
SELECTION.
Ventilation:PROVIDE LOCAL EXHAUST VENTILATION SYSTEM TO MEET PUBLISHED
EXPOSURE LIMITS.
Protective Gloves:RECOMMENDED
Eye Protection:SPLASH PROOF GOGGLES
Other Protective Equipment:EYE WASH FOUNTAIN, QUICK DRENCH SHOWER IN
IMMEDIATE WORK AREA. PROTECTIVE CLOTHING AS NECESSARY TO PREVENT
SKIN CONTACT.
Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT
AND BEFORE EATING DRINKING OR SMOKING.
Supplemental Safety and Health
REMOVE CONTAMIN
ATED CLOTHING, SHOES IMMEDIATELY.

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

HCC:C3
Boiling Pt:B.P. Text:NOT GIVEN
Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN
Vapor Pres:NOT GIVEN
Vapor Density:NOT GIVEN
Spec Gravity:1.5
pH:< 7
Evaporation Rate & Reference:1 (ETHER = 1)
Solubility in Water:COMPLETE
Appearance and Odor:DARK RED-BROWN LIQUID

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

Stability Indicator/Materials to Avoid:YES
CONTACT WITH EASILY

OXIDIZABLE MATERIALS, ALCOHOLS, ALKALIES, ALUMINUM,
CAMPBOR, ACETATES

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:TRIVALENT CHROMIUM OXIDE AND OXYGEN
WHICH INCREASES THE FIRE HAZARD.

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING
ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR
LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND
LOCAL REGULATIONS.

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