

FISHER SCIENTIFIC, CHEMICAL DIV. -- CHROMIUM METAL,C-318 -- 6810-01-448-9759

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

Product ID:CHROMIUM METAL,C-318

MSDS Date:09/29/1994

FSC:6810

NIIN:01-448-9759

MSDS Number: CFRNC

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC, CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

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

Emerge

ncy Phone Num:201-796-7100/800-424-9300(CHEMTREC)

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO

Address:2000 PARK LN

Box:City:PITTSBURGH

State:PA

ZIP:15275

Country:US

Phone:412-490-8586

CAGE:22527

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 (SARA 313) (CERCLA)

CAS:7440-47-3  
RTECS #:GB4200000  
Fraction by Wt: 99.5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:0.5 MG/M3; 9596  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

===== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:TARGET ORGANS:LIVER, KIDNEYS. ACUTE-  
INHALE:MAY CAUSE RESPIRATORY I  
RRITATION. EYES/SKIN:MAY CAUSE  
IRRITATION. ORAL:CHROMIUM METAL IS POORLY ABSORBED BY INTESTINAL  
TRACT. SOME CHROMIUM COMPOUNDS MAY CAUSE INTENSE THIRST, ABDOMINAL  
PAIN, UREMIA WHICH MAY BE FATAL. CHRONIC- DERMATITIS, KIDNEY  
DAMAGE, ULCER, EYE DAMAGE.  
Explanation of Carcinogenicity:CONTAINS CHROMIUM.  
Effects of Overexposure:IRRITATION, NAUSEA, VOMITING, TEARNING,  
DERMATITIS, PAIN, DIZZINESS, BLOOD CHANGES, PULMONARY  
SENSITIZATION, ULCERATION, PERFORATION OF NASAL SEPTUM  
M  
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN  
DISORDERS, EYE PROBLEMS OR IMPAIRED LIVER, KIDNEY OR RESPIRATORY  
FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:MOVE TO FRESH  
AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:IMMEDIATELY FLUSH WITH  
WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN:WASH WITH PLENTY OF  
SOAP & WATER.  
ORAL:SEEK IMMEDIATE MEDICAL ATTENTION. IF VOMITING  
OCCURS, KEEP HEAD BELOW HIPS. DO NOT GIVE ANYTHING BY MOUTH TO AN  
UNCONSCIOUS PERSON.

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

Flash Point:FLAMMABLE SOLID  
Autoignition Temp:Autoignition Temp Text:752 F  
Lower Limits:0.230%  
Extinguishing Media:SMALL FIRE:DRY SAND OR DRY GRAPHITE. LARGE  
FIRE:FOAM, WATER SPRAY, FOG, DRY CHEMICAL, CARBON DIOXIDE OR SAND  
Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND N

IOSH-APPROVED

SELF-CONTAINED BREATHING APPARATUS. KEEP UPWIND.

Unusual Fire/Explosion Hazard:POWDERED MATERIAL MAY FORM EXPLOSIVE  
DUST-AIR MIXTURES.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. WITH A CLEAN DRY  
SHOVEL, PLACE SPILL INTO CLEAN, DRY CONTAINER AND COVER. MINIMIZE  
GENERATION OF DUST.

Neutralizing Agent:NOT RELEVANT

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

Handling

and Storage Precautions:STORE AWAY FROM INCOMPATIBLE  
MATERIALS. KEEP CONTAINER TIGHTLY CLOSED.

Other Precautions:AVOID BREATHING DUSTS. DO NOT GET IN EYES, ON SKIN OR  
ON CLOTHING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR  
DRINKING. KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:NONE SHOULD BE NEEDED. IF AIRBORNE CONCENTRATION  
IS HIGH, WEAR A NIOSH-APPROVED DUST RESPIRATOR OR MASK.

Ventilation:

ADEQUATE

Protective Gloves:RUBBER FOR PROLONGED/REPEATED CONTACT

Eye Protection:SAFETY GLASSES/GOGGLES

Other Protective Equipment:EYE BATH, WASHING FACILITIES, SAFETY SHOWER  
AND IMPERVIOUS CLOTHING

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES.

Supplemental Safety and Health

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

HCC:F8

NRC/State Lic Num:NOT RELEVANT

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT

RELEVANT

Solubility in Water:INSOLUBLE

Appearance and Odor:SHINEY METAL OR STEEL-GRAY POWDER, ODORLESS

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, STRONG ALKALIS, ALKALI CARBONATES, AMMONIUM  
NITRATE, BROMINE PENTAFLUODRIDE, LITHIUM, SO<sub>2</sub>

Stability Condition to Avoid:CONTACT WITH INCOMPATIBLE MATERIALS

Hazardous Decomposition Products:CHROMIC OXIDE

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

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Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND  
FEDERAL REGULATIONS. REUSING IS RECOMMENDED. EPA HAZARDOUS WASTE  
NUMBER: D007. REPORTABLE QUANTITY (RQ): 1 POUND.

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