

## **CLEANING SOLUTION (CHROMIC ACID - SULF)**

### **MSDS Number**

BBJPK

### **National Stock Number**

6850-00F001628

### **Product Name**

CLEANING SOLUTION (CHROMIC ACID - SULF)

### **Manufacturer**

FISHER SCIENTIFIC CHEMICAL DIV

### **Product Identification**

Product ID:CLEANING SOLUTION (CHROMIC ACID - SULF)

MSDS Date:11/14/1985

FSC:6850

NIIN:00F001628

MSDS Number: BBJPK

### **Responsible Party**

FISHER SCIENTIFIC CHEMICAL DIV

1 REAGENT LN

FAIR LAWN , NJ 07410

US

Emergency Phone: 201-796-7100/201-796-7523

Info Phone: 201-796-7100/201-796-7523

Cage: 1B464

### **Contractor**

ROSE AND CO INC

FAIRLAWN, NJ 07410-2802

US

201-796-7100

Cage: 9Z317

### **Ingredients**

SULFURIC ACID

CAS: 7664-93-9

RTECS: WS5600000

Fraction By Weight: 97.3%

OSHA PEL1 MG/CUM

ACGIH TLV: 1 MG/CUM=IC

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

CHROMIC ACID (SOLID OR SOLUTION), CRO3, CHROMIUM (VI)

CAS: 1333-82-0

RTECS: GB6650000

Fraction By Weight: 1%

OSHA PEL0.1 MG/CUM (CRO3)

ACGIH TLV: 0.05 MG/CUM (CR)

WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: 1.7%

## Hazards

LD50 LC50 Mixture:ORAL LDLO (MAN) 2135 MG/KG SULFURIC ACID

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

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

Health Hazards Acute and Chronic:INHALE: CORROSIVE/SEVERE RESPIRATORY IRRITATION/DAMAGE/DYSPNEA/TRACHROBRONCHITIS/BRONCHIAL PNEUMONIA/GI DISTURBANCES/LIVER/KIDNEY DAMAGE. SKIN: CORROSIVE/SEVERE IRRITATION/DERMATITIS/SENSITIZER. EYES: CORROSIVE/SEVERE DAMAGE/IRRITATION/CONJUNCTIVITIS. INGEST: CORROSIVE/SERIOUS BURNS OF THE MOUTH/ESOPHAGUS/ASPHYXIA.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:INHALE: PULMONARY

EDEMA/CYANOSIS/HYPOTENSION/COUGH/DISCOLORATION/NOSE BLEEDS, FOUL

SMELLING NASAL DISCHARGE/EROSION & DISCOLORATION OF TEETH. SKIN:

PAIN/BURNS/VEESICULATION/ULCERS. EYES: BLINDNESS/LACR IMATION.

INGESTION: VOMITING/DIARRHEA OF DARK PRECIPITATED BLOOD/PERFORATION OF ESOPHAGUS & STOMACH.

## First Aid

First Aid:SKIN: REMOVE CONTAMINATED CLOTHING/SHOES IMMEDIATELY. WASH AFFECTED AREA W/SOAP/MILD DETERGENT & WATER. CHEMICAL BURNS, COVER W/STERILE, DRY DRESSING. EYES: WASH IMMEDIATELY W/PLENTY OF WATER FOR 15 M INUTES. CHEMICAL BURNS APPLY STERILE BANDAGES LOOSELY W/OUT MEDICATION. INGEST: DON'T USE GASTRIC LAVAGE/INDUCE VOMITING. DILUTE ACID IMMEDIATELY W/PLENTY OF WATER/MILK. OBTAIN MED. ATTN. IN ALL CASES

## Fire Fighting

Flash Point:NONFLAMMABLE

Extinguishing Media:DRY CHEMICAL, CO2, LARGE FLOOD AREA W/WATER FROM A DISTANCE.

Fire Fighting Procedures:DON'T GET SOLID STREAM OF WATER ON SPILLED MATERIAL. MOVE CONTAINERS FROM FIRE AREA. COOL CONTAINERS EXPOSED TO FLAMES W/WATER FROM SIDE UNTIL OUT.

Unusual Fire/Explosion Hazard:NEGLIGIBLE FIRE, EXPLOSION HAZARD WHEN EXPOSED TO HEAT/FLAME. USE FLOODING AMOUNTS OF WATER AS FAR, APPLY FROM A SAFE DISTANCE. KEEP UPWIND. USE SCBA.

## Accidental Release

Spill Release Procedures:KEEP COMBUSTIBLES AWAY. DON'T TOUCH MATERIAL. DON'T GET WATER INSIDE CONTAINER. STOP LEAK W/OUT RISK. USE WATER SPRAY TO REDUCE VAPORS. CON'T PUT WATER ON LEAK. DIKE FOR LATER DISPOSAL. VENTILATE AREA . (SEE SUPP)

## Exposure Controls

Respiratory Protection:SUPPLIED AIR RESPIRATOR W/FULL FACEPIECE, HELMET OR HOOD. SELF CONTAINED BREATHING APPARATUS W/FULL FACEPIECE.

FIREFIGHTER: SCBA W/FULL FACEPIECE OPERATED IN PRESSURE DEMAND/OTHER POSITION PRESSURE MO DE.

Ventilation:LOCAL EXHAUST

Protective Gloves:REQUIRED

Eye Protection:SPLASH PROOF/DUST RESISTANT GOGGLES

Other Protective Equipment:FACESHIELD, EYE-WASH FOUNTAIN.

Supplemental Safety and Health

CON'T ON MATERIAL TO AVOID: FOR MORE INFORMATION SEE ORIGINAL MSDS.

SOIL SPILL: DIG HOLDING AREA, DIKE, USING SOIL/SAND BAGS/FOAMED BARRIERS USE CURRENT POWDER, FLY ASH TO ABSORB. NEUTRALIZE W/SLAKED LIME, SODIUM BICARBONATE/CRUSHED LIMESTONE. AIR SPILL: KNOCK DOWN VAPOR W/WATER SPRAY.

## Chemical Properties

Boiling Pt:B.P. Text:554F  
Melt/Freeze Pt:M.P/F.P Text:23F  
Vapor Pres:.001  
Spec Gravity:1.9  
Solubility in Water:COMPLETE  
Appearance and Odor:DARK BROWN VISCOUS LIQUID.

## Stability

Stability Indicator/Materials to Avoid:YES  
WATER, ORGANIC MATERIALS, COMBUSTIBLE MATERIALS, ALCOHOLS, ACIDS, METALS, SALTS (SEE SUPP.)  
Stability Condition to Avoid:HEAT, FLAME  
Hazardous Decomposition Products:SULFURE OXIDES & CHROMIUM OXIDE

## Disposal

Waste Disposal Methods:DISOPSE OF IN ACCORDANCE W/FEDERAL, STATE & LOCAL REGULATIONS. RUNOFF TO SEWER MAY CREATE FIRE/EXPLOSION HAZARD.

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