

SIFCO SELECTIVE PLATING, DIV OF SIFCO INDUSTRIES -- #30205006;COPPER(ACID)PLATING SOLUTION#2050 -- 6850-01-197-1650

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Product Identification
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Product ID:#30205006;COPPER(ACID)PLATING SOLUTION#2050

MSDS Date:05/21/1990

FSC:6850

NIIN:01-197-1650

MSDS Number: BJRHS

=== Responsible Party ===

Company Name:SIFCO SELECTIVE PLATING, DIV OF SIFCO INDUSTRIES

Address:5708 SCHAFF ROAD

City:CLEVELAND

State:OH

ZIP:44131-1394

Country:US

Info Phone Num:216-881-8600

Emergency Phone Num:216-881-8600

Preparer's Name:WENER A.EHRENSCHNEIDER

CAGE:DO645

=== Contractor Identification ===

Company Name:SIFCO SELECTIVE PLATING DIV OF SIFCO INDUSTRIES INC.

Address:5708 SCHAAF ROAD

Box:City:CLEVELAND

State:OH

ZIP:44131-1394

Country:US

Phone:216-524-0099/ FAX: -6331

CAGE:11924

Company Name:SIFCO SELECTIVE PLATING, DIV OF SIFCO INDUSTRIES INC

Address:5708 SCHAAF ROAD

City:CLEVELAND

State:OH

ZIP:44131-1394

Country:US

Phone:216-524-0099

CAGE:DO645

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Composition/Information on Ingredients
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Ingred Name:COPPER (SARA III)

CAS:7440-50-8

RTECS #:GL5325000

Fraction by Wt: 8.0%

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.1MG/M3 FUME/1 DUST

ACGIH TLV:0.2MG/M3 FUME; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:SULFURIC ACID (SARA III)

CAS:7664-93-9

RTECS #:WS5600000

Fraction by Wt: 9.0%

Other REC Limits:NONE SPECIFIED

t Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:OTHER COMPONENTS (TYPE NOT SPECIFIED)
Other REC Limits:NONE SPECIFIED

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: BALANCE
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE: CAN CAUSE SEVERE BURNS TO EXPOSED TISSUE.MAY BE FATAL IF SWALLOWED.SEVERE IRRITATION OF EYES,SKIN,RESPIRATORY OR G.I.TRACTS.EYE AND LUNG DAMAGE POSSIBLE.MAY CAUSE ALLERGIC SKIN REACTION AND COP PER POISONING.CHRONIC:LIVER,KIDNEY LUNGOR EYE INJURY,DERMATITIS EROSION OF TEETH,ASTHMA.
Explanation of Carcinogenicity:SULFURIC ACID MISTS ARE IARC-2B.
Effects of Overexposure:EYE, SKIN & RESPIRATORY TRACT IRRITATION. MAY CAUSE COUGHING, WHEEZING AND OTHER DIFFICULTIES IN BREATHING.
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS OR WITH PRE-EXISTING DISEASE INVOLVING THE RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE CPR. CALL A PHYSICIAN. EYE: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES. CALL A PHYSICIAN. SKIN: WASH WITH PLENTY OF SOAP & WATER. REMOVE CONTAMINATED CLOTHING/SHOES. INGESTION: DO NOT INDUCE VOMITING . IF CONSCIOUS, GIVE 2 GLASSES OF WATER TO DRINK. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. CALL A PHYSICIAN.

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

Flash Point:NONE
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY. CONTAIN RUNOFF.
Unusual Fire/Explosion Hazard:CONTA

INERS MAY BURST DUE TO EXTREME HEAT.

COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTION; DIKE AREA AND NEUTRALIZE. SCOOP UP OR VACUUM UP. RINSE RESIDUAL TRACES WITH WATER.

Neutralizing Agent:SODA ASH

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

Handling and Storage Precautions:STORE IN A COOL, DRY AREA AWAY FROM

YELLOW OR RED LABEL ITEMS. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. AVOID CONTACT WITH EYES AND SKIN.

Other Precautions:CORROSIVE MATERIAL;WASH THOROUGHLY AFTER EACH USE.DO NOT USE CONTAMINATED CLOTHES.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED RESPIRATORS AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND

NIOSH-RESPIRATOR DECISION LOGIC-PUBLICATION NUMBER 87.108.

Ventilation:PROVIDE SUFFICIENT LOCAL EXHAUST VENTILATION TO CONTROL INHALATION EXPOSURES BELOW OSHA'S PEL.

Protective Gloves:NEOPRENE OR RUBBER

Eye Protection:SAFETY GOGGLES & FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CL

OTHING OR

FOOTWEAR.

Supplemental Safety and Health

DO NOT GET ON SKIN, IN EYES OR ON CLOTHING. DO NOT BREATHE VAPORS OR MISTS. WASH HANDS AND FACE AFTER USE. KEEP CONTAINER CLOSED WHEN NOT IN USE.

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

HCC:C1

Boiling Pt:B.P. Text:>212F,>100C

Spec Gravity:1.185-1.195

pH:0-1

Evaporation Rate & Reference:>1.0(ETHYL ETHER=1)

Solubility in Water:COMPLETE

Appearance and Odor:BLUE LIQUID NO ODOR.

===== Stabi

lity and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS; METALS, STRONG BASES, NITRATES, PEROXIDES, ORGANIC COMPOUNDS.

Stability Condition to Avoid: NONE NOTED; AVOID EXTREMELY HIGH TEMPERATURES

Hazardous Decomposition Products: MAY EMIT FUMES OF OXIDES OF SULFUR AND COPPER.

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

Waste Disposal Methods: DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. LANDFILL SUITABLE AFTER PROPER NEUTRALIZATION.

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