

SIFCO METACHEMICAL DIV OF SIFCO INDUSTRIES,INC. -- SIFCO SELECTRON SOLUTION
ACTIVATOR #1, CODE 4200 -- 6850-01-011-2349

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Product Identification
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Product ID: SIFCO SELECTRON SOLUTION ACTIVATOR #1, CODE 4200

MSDS Date: 03/15/1995

FSC: 6850

NIIN: 01-011-2349

MSDS Number: BZNSN

==== Responsible Party ====

Company Name: SIFCO METACHEMICAL DIV OF SIFCO INDUSTRIES, INC.

Address: 5708 SCHAAF ROAD

City: CLE

VELAND

State: OH

ZIP: 44131-1394

Country: US

Info Phone Num: 216-594-0099

Emergency Phone Num: 216-881-8600 216-363-7345 (PAGER)

Preparer's Name: WERNER A. EHRENSCHNEIDER

CAGE: 11924

==== 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

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Composition/Information on Ingredients
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Ingred Name: SULFURIC ACID (SAR

A 302/313) (CERCLA)

CAS: 7664-93-9

RTECS #: WS5600000

Fraction by Wt: 1-5%

Other REC Limits: NONE RECOMMENDED

OSHA PEL: 1 MG/M3

ACGIH TLV: 1 MG/M3/3 STEL; 9596

EPA Rpt Qty: 1000 LBS

DOT Rpt Qty: 1000 LBS

Ingred Name: AMMONIUM SULFATE (SOLUTION) (SARA 313)

CAS: 7783-20-2

RTECS #: BS4500000

Fraction by Wt: 7-13%

Other REC Limits: NONE RECOMMENDED

Ingred Name: WATER

CAS: 7732-18-5

RTECS #: ZC0110000

Fraction by Wt: 82-92%

Other REC Limits: NONE RECOMMENDED

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:**CORROSIVE** EYES:MAY CAUSE SEVERE IRRITATION AND BURNS.SKIN:MAY CAUSE IRRITATION,BURNS AND ALLERGIC REACTIONS.INHAL:MAY CAUSE RESP IRRITATION.INGEST:MAY CAUSE IRRITATION,BURNS TO GI TRACT.MAY DAMAGE LIVER,CAUSING JAUNDICE,KIDNEYS AND GI DAMAGE.CHRONIC:DAMAGE TO EYES,SKIN,TEETH,RESPIRATORY SYSTEM.

Explanation of Carcinogenicity:SULFURIC ACID MISTS ARE CLASSIFIED IARC-2B.

Effects of Overexposure:INHAL:SNEEZING,NASAL DISCHARGE,COUGHING,HEADACHES,DIZZINESS,NAUSEA,FATIGUE,DIFFICULTY IN BREATHING.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING EYE,SKIN AND RESPIRATORY AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.INHAL:REMOVE TO FRESH AIR.LAY VICTIM DOWN,LEGS RAISED;LOOSEN TIGHT CLOTHING,COVER WITH BLANKET.GIVE OXYGEN OR ART IFICIAL RESPIRATION IF NEEDED.INGEST:DONOT INDUCE VOMITING UNLESS DIRECTED BY MEDICAL PERSONNEL.GET PROMPT QUALIFIED MEDICAL ATTENTION.IF CONSCIOUS,GIVE MILK,WATER,MILK OF MAGNESIA OR FRESH EGGS.

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

Flash Point:NONE
Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.FIRE CONTROL WATER MAY CAUSE ENVIRONMENTAL DAMAGE.
Unusual Fire/Explosion Hazard:STRUCTURAL FIREFIGHTERS' PROTECTIVE CLOTHING MAY NOT PROVIDE ADEQUATE PROTECTION.CONTACT WITH METALS MAY EVOLVE EXPOLOSIVE H*2 GAS.

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

Spill Release Procedures:DO NOT TOUCH OR WALK THROUGH SPILL.EVACUATE PERSONNEL.ELIMINATE SOURCES OF IGNITION.VENTI

LATE.MOP OR VACUUM

INTO PLASTC CONTAINER;TRIPLE RINSE.DO NOT CONTAMINATE WATERCOURSES.
Neutralizing Agent:SODIUM BICARBONATE,SODA ASH/SLAKED LIME.

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

Handling and Storage Precautions:STORE BETWEEN 60-90F IN A
DRY,WELL-VENTILATED PLACE.KEEP CONTAINER CLOSED WHEN NOT IN
USE.KEEP AWAY FROM HEAT,SPARKS,FLAMES AND INCOMPATIBLE MATERIALS
Other Precautions:KEEP CONTAINERS UPRIGHT.AVOID SKIN AND EYE CONTACT.DO
NOT INHALE
VAPORS/MISTS.

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

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN
ENCLOSED SPACES USE EITHER A SELF-CONTAINED BREATHING APPARATUS OR
A NIOSH/MSHA APPROVED RESPIRATOR FOR ACID GAS,DEPENDING ON THE
AIRBORN CONCENTRATION.

Ventilation:USE LOCAL EXHAUST.

Protective Gloves:NITRILE,NEOPRENE,VINYL,LATEX.

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:IMPERVIOUS BOOTS,APRON AND PROTECTIV

E

CLOTHING,AS NEEDED.PROVIDE A LOCAL EYE WASH STATION AND SAFETY
SHOWER.

Work Hygienic Practices:USE REASONABLE CARE IN HANDLING THIS
PRODUCT.WASH HANDS AFTER USE AND BEFORE EATING.

Supplemental Safety and Health

NONE

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

HCC:C1

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

Melt/Freeze Pt:M.P/F.P Text: