

SIFCO SELECTIVE PLATING DIV OF SIFCO INDUSTRIES INC. -- SIFCO SELECTRON SOLUTION
ACTIVATOR #2 -- 6850-01-085-2865

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Product Identification
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Product ID:SIFCO SELECTRON SOLUTION ACTIVATOR #2

MSDS Date:03/13/2000

FSC:6850

NIIN:01-085-2865

Status Code:A

MSDS Number: CKZFT

=== Responsible Party ===

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

Address:5708 SCHAAF ROAD

City:CLEVELAND

State:OH

ZIP:44131-1394

Country:US

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

Emergency Phone Num:(800)424-9300

Resp. Party Other MSDS Num.:SCM 4300

Chemtrec Ind/Phone:(800)424-9300

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

Contract Num:SP0450-01-M-D652

CAGE:11924

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Composition/Information
on Ingredients
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Ingred Name:HYDROCHLORIC ACID

CAS:7647-01-0

RTECS #:MW4025000

Minimum % Wt:3.

Maximum % Wt:7.

OSHA PEL:C7 MG/M3;C5 PPM

ACGIH STEL:C7.5 MG/M3;C5 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Minimum % Wt:93.

Maximum % Wt:97.

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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:NO OSHA:NO

Health Hazard

s Acute and Chronic:TARGET ORGANS: SKIN, EYES, RESPIRATORY SYSTEM. CHRONIC EFFECTS: PROLONGED OR REPEATED EXPOSURE MAY CAUSE EROSION OF TEETH, BRONCHIAL IRRITATION AND GASTROINTESTINAL DISTURBANCES.

Explanation of Carcinogenicity:NATIONAL TOXICOLOGICAL PROGRAM: NO. I.A.R.C. MONOGRAPHS: NO. OSHA: NO. ACGIH: NO.

Effects of Overexposure:EYE: CORROSIVE TO THE EYES AND MAY CAUSE SEVERE EYE DAMAGE. SKIN: CAUSES SKIN IRRITATION. MAY CAUSE SKIN BURNS. SKIN ABSORPTION: SUBSTANCE

DOES NOT ABSORB THROUGH THE SKIN.

INHALATION: IRRITATING TO THE EYES, NOSE, THROAT, AND LUNGS. MAY CAUSE SNEEZING, WATERING OF EYES, NASAL DISCHARGE, COUGHING.

INGESTION: SALTY BITTER TASTE. MAY CAUSE GASTROINTESTINAL IRRITATION WITH HEARTBURN, NAUSEA, AND VOMITING.

Medical Cond Aggravated by Exposure:PREEXISTING SKIN AND EYE CONDITIONS; RESPIRATORY SYSTEM DISORDERS.

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

First Aid:EYE: HOLD EYELIDS APART & FLUSH EYES W/PLENTY OF WATER FOR AT

LEAST 15 MINS. SKIN: IMMEDIATELY FLUSH SKIN W/PLENTY OF WATER FOR AT LEAST 15 MINS. WHILE REMOVING CONTAMINATED CLOTHING & SHOES. THOROUGHLY DECONTAMINATE (OR DISCARD) CLOTHING & SHOES.

INHALATION: REMOVE TO FRESH AIR. LAY VICTIM DOWN, LEGS RAISED. LOOSEN TIGHT CLOTHING, COVER W/A BLANKET. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

INGESTION: DO NOT INDUCE VOMITING, UNLESS ADVISED BY EMS.

GIVE

VICTIM LARGE QUANTITIES OF WATER/MILK. GIVE MILK OF MAGNESIA OR FRESH EGGS. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point:WILL NOT BURN

Lower Limits:NONE

Upper Limits:NONE

Extinguishing Media:ALL

Fire Fighting Procedures:NIOSH/MSHA APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS. STRUCTURAL FIRE FIGHTERS' PROTECTIVE CLOTHING MAY NOT PROVIDE ADEQUATE PROTECTION.

Unusual

Fire/Explosion Hazard:CONTACT WITH METALS MAY FORM FLAMMABLE HYDROGEN GAS. CONTAINERS CAN BUILD UP PRESSURE AND BURST IF EXPOSED TO HEAT (FIRE). WATER RUNOFF CAN CAUSE ENVIRONMENTAL DAMAGE. DIKE AREA FOR LATER DISPOSAL.

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

Spill Release Procedures:DO NOT TOUCH OR WALK THROUGH SPILLED MATERIAL. ISOLATE HAZARD AREA & KEEP PEOPLE AWAY. NOTIFY YOUR FACILITY EMERGENCY COORDINATOR. ELIMINATE ALL SOURCE OF IGNITION.

PROVIDE

MAXIMUM VENTILATION. DO NOT RELEASE INTO SOIL, SEWER, OR NATURAL BODY OF WATER. WEAR PROPER PERSONAL PROTECTIVE EQUIPMENT (PPE). CAREFULLY MOP UP/VACUUM SPILL/TRIPLE RINSE WITH WATER INTO SUITABLE PLASTIC CONTAINER. "SEE OTHER"

Neutralizing Agent:SODIUM BICARBONATE, SODA ASH/SLAKED LIME.

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

Handling and Storage Precautions:HANDLING: USE "BUDDY SYSTEM" WHEN WORKING WITH CHEMICALS. DO NOT GET IN EYES, ON SKIN, ON CLOTHING.

DO NOT BREATHE VAPOR, MIST OR GAS. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. TRIPLE RINSE CONTAINER CLEAN BEFORE DISCARDING. PUT NOTHING ELSE IN THIS CONTAINER.

Other Precautions:STOAGE: KEEP CONTAINER TIGHTLY CLOSED IN UPRIGHT POSITION. STORE AT 60-90F AWAY FROM INCOMPATIBLE MATERIALS AND PHYSICAL HAZARDS. DO NOT REMOVE OR DEFACE CONTAINER LABELS.

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

Respiratory Pro

tection:IF ENGINEERING CONTROLS ARE NOT FEASIBLE, THE RESPIRATORY PROTECTION PROGRAM MUST COMPLY WITH OSHA 29 CFR 1910.134.

Ventilation:LOCAL EXHAUST VENTILATION IS REQUIRED TO MEET THE PERMISSIBLE EXPOSURE LIMITS (PEL) DURING THE USE OF THIS PRODUCT.

Protective Gloves:NITRILE, NEOPRENE, VINYL, LATEX GLOVES.

Eye Protection:FACE SHIELD AND SAFETY GLASSES W/SIDE SHIELDS OR SPLASH-PROOF CHEMICAL GOGGLES.

Other Protective Equipment:IMPERVIOUS BOOTS, APRON, PROTECTIVE CLOTHING AS

REQUIRED BY JOB CONDITIONS. EYE WASH STATION, SAFETY SHOWER,
WASHING FACILITIES NEAR WORK AREA.

Work Hygienic Practices:DO NOT WEAR CONTACT LENSES. DO NOT GET IN EYES,
ON SKIN, ON CLOTHING. DO NOT BREATHE VAPOR, MIST OR GAS.

Supplemental Safety and Health

PRODUCT CODE: SCM 4300. *NFPA-704M SYSTEM: HEALTH-3, FLAMMIBILITY-0,
REACTIVITY-0.

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

HCC:C1

Boiling Pt:>100.C, 212.F

Melt/Freeze Pt:10,000 LITERS. (RELEASE) REPORT

ABLE QUANTITY:>10,000

LITERS. EXTREMELY HAZARDOUS SUBSTANCES: NONE. EPCRA HAZARD
CATEGORIES: IMMEDIATE (ACUTE) HEALTH: YES . DELAYED (CHRONIC)
HEALTH: YES. FIRE: NO. SUDDEN RELEASE OF PRESSURE: NO. REACTIVITY:
NO. TSCA STATEMENT: ALL INGREDIENTS OF THIS PRODUCT ARE LISTED
UNDER THE TSCA SUBSTANCES CONTROL ACT (TSCA). ODS CERTIFICATION:
THIS PRODUCT DOES NOT CONTAIN & IS NOT MANUFACTURED WITH OZONE
DEPLETING SUBSTANCES (ODS). VOC CERTIFICATION: THIS PRODUCT DOES

NOT CONTAIN ANY VOLATILE ORGANIC COMPOUNDS (VOC).

State Regulatory Information:CALIFORNIA PROP. 65: NOT APPLICABLE.

===== Other Information =====

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