

SIFCO SELECTIVE PLATING DIV OF SIFCO INDUSTRIES INC. -- SPS 5070, SIFCO SELECTRON
PLATING SOLUTION CADMIUM LHE -- 6850-00-306-9596

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

Product ID:SPS 5070, SIFCO SELECTRON PLATING SOLUTION CADMIUM LHE

MSDS Date:03/13/2000

FSC:6850

NIIN:00-306-9596

Status Code:A

MSDS Number: CLCSY

=== Responsible Party ===

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

Address:5708 SCHAAF ROAD

City:CLEVELAND

State:OH

ZIP:441

31-1394

Country:US

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

Emergency Phone Num:800-424-9300

Resp. Party Other MSDS Num.:SPS 5070

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-ZB15

CAGE:11924

===== Composition/Information on Ingredients =====

I
ngred Name:CADMIUM FLUOBORATE

CAS:14486-19-2

RTECS #:EV0525000

Minumum % Wt:15.

Maxumum % Wt:25.

Other REC Limits:9 MG/M3 (IDLH,NIOSH)

OSHA PEL:0.005 MG/M3 (CD)

ACGIH TLV:0.002MG/M3(CD,RDUST)

Ingred Name:ETHYLENEDIAMINE

CAS:107-15-3

RTECS #:KH8575000

Minumum % Wt:15.

Maxumum % Wt:25.

OSHA PEL:25 MG/M3;10 PPM

ACGIH TLV:25 MG/M3;10 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

tification =====

LD50 LC50 Mixture:NO DATA PROVIDED BY MANUFACTURER

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

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:TARGET ORGANS: SKIN, EYES, NASAL

CAVITY, LUNGS, KIDNEYS & LIVER. EYE: CAUSES EYE IRRITATION, BURNS

POSSIBLE. SKIN CONTACT: CAUSES SKIN IRRITATION, MAY CAUSE BURNS &

POSSIBLE ALLERGIC REACTION. INHALATION: MAY CAUSE SNEEZING, NASAL

DISCHARGE, COUGHIN

G, HEADACHES, DIZZINESS, NAUSEA, FATIGUE OR

DIFFICULTY IN BREATHING. MAY CAUSE SENSITIZATION OF RESPIRATORY

TRACT. INGESTION: IRRITATING TO MOUTH, THROAT, AND STOMACH. MAY

CAUSE LIVER DAMAGE WITH JAUNDICE, KIDNEY & GASTROINTESTINAL DAMAGE.

CHRONIC EFFECTS: PROLONGED OR REPEATED EXPOSURE MAY CAUSE DAMAGE TO

SKIN, EYES, RESPIRATORY SYSTEM AND TEETH. MAY CAUSE SEVERE &

DELAYED HEALTH EFFECTS

Explanation of Carcinogenicity:NO DATA PROVIDED BY MANUFACTURER

Effects of Overexp

posure:EYE: EYE IRRITATION, BURNS. SKIN CONTACT: SKIN

IRRITATION, BURNS AND POSSIBLE ALLERGIC REACTION. INHALATION:

SNEEZING, NASAL DISCHARGE, COUGHING, HEADACHES, DIZZINESS, NAUSEA,

FATIGUE OR DIFFICULTY IN BREATHING, SENSITIZATION OF RESPIRATORY

TRACT. INGESTION: IRRITATING TO MOUTH, THROAT & STOMACH. MAY CAUSE

LIVER DAMAGE WITH JAUNDICE, KIDNEY & GASTROINTESTINAL DAMAGE.

CHRONIC EFFECTS: DAMAGE TO SKIN, EYES, RESPIRATORY SYSTEM & TEETH.

INFLAMMATION OF LUNGS & CHE

MICAL BRONCHITIS. POSSIBLE PROSTATE

CANCER.

Medical Cond Aggravated by Exposure:PREEXISTING SKIN AND EYE

CONDITIONS; RESPIRATORY SYSTEM DISORDERS.

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

First Aid:EYES: HOLD LIDS APART & FLUSH WITH PLENTY OF WATER FOR AT

LEAST 15 MINUTES. SKIN: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR

AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING & SHOES.

THOROUGHLY DECONTAMINATE OR DISCARD CLOTHING & SHOES. INHALA

TION:

REMOVE TO FRESH AIR. LAY VICTIM DOWN, LEGS RAISED. LOOSEN TIGHT

CLOTHING, COVER WITH 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 LOTS OF

WATER/MILK WITH 1-2 EGGS.

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

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:N.A.

Lower Limits:NONE

Upper Limits:NONE

Extinguishing Me

dia: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:CONTAINERS CAN BUILD UP PRESSURE AND
BURST IF EXPOSED TO HEAT (FIRE). WATER RUNOFF CAN CAUSE
ENVIRONMENTAL DAMAGE. DIKE AREA FOR LATER DISPOSAL. NFPA 704M
SYSTEM: HEALTH-3, FLAMMABILITY-0, REACTIVITY- 0.

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

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Spill Release Procedures:DO NOT TOUCH OR WALK THROUGH SPILLED MATERIAL.
ISOLATE HAZARD AREA AND KEEP PEOPLE AWAY. NOTIFY YOUR FACILITY
EMERGENCY COORDINATOR. ELIMINATE ALL SOURCES OF IGNITION. PROVIDE
MAXIMUM VENTILATION. DO NOT RELEASE INTO SOIL, SEWERS, OR NATURAL
BODIES OF WATER. WEAR PROPER PERSONAL PROTECTIVE EQUIPMENT (PPE).
CAREFULLY MOP UP OR VACUUM SPILL AND TRIPLE RINSE WITH WATER INTO
SUITABLE PLASTIC CONTAINER

Neutralizing Agent:N.A

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

Handling and Storage Precautions: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:KEEP CONTAINER TIGHTLY CLOSED IN UPRIGHT POSITION.
STORE 60-90 AWAY FROM INCOMPATIBLE MATERIALS &
PHYSICAL HAZARDS. DO
NOT REMOVE OR DEFACE CONTAINER LABELS.

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

Respiratory Protection: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

D 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. WASH THOROUGHLY
AFTER HANDLING.

Supplemental Safety and Health

NO DATA PROVIDED BY MANUFACTURER

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

HCC:B2

Boiling Pt:>100.C, 21

2.F

Melt/Freeze Pt:20,000 LITERS. (RELEASE) REPORTABLE QUANTITY:

>40 LITERS. EXTREMELY HAZAR DOUS SUBSTANCE: ETHYLENEDIAMINE. EPCRA
HAZARD CATEGORIES: IMMEDIATE (ACUTE) HEALTH: YES; DELAYED (CHRONIC)
HEALTH: YES, FIRE: NO, SUDDEN RELEASE OF PRESSURE: NO, REACTIVITY:
NO.

Federal Regulatory Information:TSCA: ALL INGREDIENTS OF THIS PRODUCT
ARE LISTED UNDER THE TOXIC SUBSTANCES CONTROLA CT (TSCA). ODS
CERTIFICATION: THIS PRODUCT DOES NOT CONTAIN AND IS NOT
MANUFACTURED

WITH OZONE DEPLETING SUBSTANCES (ODS). VOC

CERTIFICATION: THIS PRODUCT DOES NOT CONTAIN ANY VOLATIEL ORGANIC
COMPOUNDS (VOC). PCB CERTIFICATION: THIS PRODUCT DOES NOT CONTAIN
ANY POLYCHLORINATED BUPHENYLS (PCB).

State Regulatory Information:CALIFORNIA PROPOSITION 65: WARNING! THIS
PRODUCT CONTAINS DETECTABLE AMOUNTS OF CHEMICALS KNOWN TO THE STATE
OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE
HARM.

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

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