

SIFCO SELECTIVE PLATING, DIV OF SIFCO INDUSTRIES -- NO. 3 ETCHING & DESMUTTING SOLUTION,3D10230 -- 6850-01-064-6637

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Product Identification
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Product ID:NO. 3 ETCHING & DESMUTTING SOLUTION,3D10230

MSDS Date:12/02/1991

FSC:6850

NIIN:01-064-6637

MSDS Number: BQFCV

=== 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:216-524-0099

E

mergency Phone Num:216-881-8600; BUS HR-216-524-0099

Preparer's Name:WERNER 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

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City:CLEVELAND

State:OH

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CAGE:DO645

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Composition/Information on Ingredients
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Ingred Name:CITRIC ACID SOLUTION

Other REC Limits:NONE SPECIFIED

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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 Hazards Acute and Chronic:EYES: IRRITATION, INFLAMMATION,
BURNING OR STINGING SENSATION, WATERING. SKIN: IRRITATION, ITCHING
SENSATION, INFLAMMATION. INHALATION: IRRITAT

ION OF NOSE, THROAT,
NASAL DISCHARGE, SNEEZING, COUGHING. INGESTION: IRRITATION OF MOUTH, THROAT, ESOPHAGUS, AND STOMACH, BITTER TASTE.

Effects of Overexposure:EYES: IRRITATION, INFLAMMATION, BURNING OR STINGING SENSATION, WATERING. SKIN: IRRITATION, INFLAMMATION, ITCHING SENSATION. INHALATION: IRRITATION OF NOSE, THROAT, NASAL DISCHARGE, SNEEZING, COUGHING. INGESTION: IRRITATION OF MOUTH, THROAT, ESOPHAGUS,AND STOMACH, BITTER TASTE.

Medical Cond Aggravated by Exposure:

PERSON WITH PRE-EXISTING DISEASE

INVOLVING EYES, SKIN, RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. FLUSH AREA WITH WATER. IF IRRITATION PERSISTS GET MEDICAL ATTENTION. INHALATI ON: MOVE TO FRESH AIR. IF NOT BREATHINGGIVE CPR. IF BREATHING DIFFICULT GIVE OXYG EN. GET MEDICAL ATTENTION. INGESTION: GIVE SEVERAL GLASSES OF WATER OR MILK. INDUCE VOMITING. GET MEDICAL ATTENTION.

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

Flash Point:NONE

Lower Limits:NONE

Upper Limits:NONE

Extinguishing Media:ALL.

Fire Fighting Procedures:WEAR FACE SHIELD/GOGGLES, IMPERVIOUS GLOVES, BOOTS, PROTECTIVE CLOTHING, USE NIOSH/MSHA-APPROVED RESPIRATORY PROTECTION AS REQUIRED.

Unusual Fire/Explosion Hazard:EXCESSIVE HEAT MAY CAUSE CONTA INERS TO

BURST. CONTACT WITH ALUMINUM, COPPER, IRON, MAGNESIUM, ZINC MAY GENERATE HYDROGEN GAS, WHICH MAY FORM EXPLOSIVE MIXTURE.

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

Spill Release Procedures:PROVIDE MAXIMUM VENTILATION. ELIMINATE SOURCES OF IGNITION. PREVENT DISCHARGE TO DRAINS, SEWERS, STREAM OR SOURCES OF DRINKING WATER. MOP UP OR VACUUM SPILL AND RINSE WATER INTO A SUITABLE PLASTIC CON TAINER FOR DISPOSAL.

Neutralizing Agent:SOAP, WATER.

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

Handling and Storage Precautions:STORE BETWEEN 50-90F AWAY FROM INCOMPATIBLE MATERIALS. USE WITH ADEQUATE VENTILATION. KEEP CONTAINERS TIGHTLY CLOSED IN UPRIGHT POSITION.

Other Precautions:TRIPLE RINSE CONTAINER CLEAN BEFORE DISCARDING. PUT NOTHING ELSE IN THIS CONTAINER. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR APPARATUS IF NECESSARY.

Ventilation:LOCAL EXHAUST SHOULD BE USED TO MAINTAIN PERMISSIBLE EXPOSURE LIMITS FOR NUISANCE DUST/MIST.

Protective Gloves:NITRILE, NEOPRENE, VINYL, LATEX.

Eye Protection:CHEMICAL GOGGLES, FACE SHIELD.

Other Protective Equipment:DO NOT WEAR CONTACT LENSES. EYEWASH STATION AND SAFETY SHOWER. WASHING FACILITIES NEAR WORK AREA.

Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

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

HCC:C3

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

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