

SIFCO INDUSTRIES,INC, SIFCO SELECTIVE PLATING DIV. -- NO. 10 ACTIVATING SOLUTION --  
6850-01-266-6619

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

Product ID:NO. 10 ACTIVATING SOLUTION

MSDS Date:12/01/1993

FSC:6850

NIIN:01-266-6619

MSDS Number: BGRZQ

=== Responsible Party ===

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

Address:5708 SCHAAF ROAD

City:CLEVELAND

State:OH

ZIP:44131-1394

Countr

y:US

Info Phone Num:216-881-8600

Emergency Phone Num:216-881-8600

Preparer's Name:WERNER A. EHRENSCHNEIDER

CAGE:FO860

=== Contractor Identification ===

Company Name:SIFCO INDUSTRIES INC

Address:5708 SCHAAF ROAD

City:CLEVELAND

State:OH

ZIP:44131-1394

Phone:(216) 881-8600

CAGE:FO860

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

===== Composition/

Information on Ingredients =====

Ingred Name:SULFURIC ACID (SARA III)  
CAS:7664-93-9  
RTECS #:WS5600000  
Fraction by Wt: 17%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9394  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:PROPRIETARY INGREDIENTS, (INFORMATION WITHHELD AS A TRADE SECRET).  
Fraction by Wt: 83%  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS UNKNO  
WN.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYES: SEVERE IRRITATION, BURNS,  
ULCERATION, OPAQUENESS OF CORNEA, BLINDNESS. SKIN: SEVERE  
IRRITATION AND BURNS. INHALATION: ULCERATION OF MUCOUS MEMBRANES,  
HEADACHE, NAUSEA, PULMONARY EDEMA, SECONDARY CHEMICAL PNEUMONIA,  
DEATH. INGESTION: IRRITATION/BURNS OF MOUTH AND THROAT. NAUSEA,  
VOMITING, CONVULSIONS, COMA, DEATH.

Explanation

of Carcinogenicity:THIS PRODUCT IS NOT LISTED BY IARC, NTP,  
OR OSHA AS A CARCINOGEN.

Effects of Overexposure:EYES: IRRITATION, BURNS,ULCERATION, OPAQUENESS  
OF CORNEA, BLINDNESS. SKIN: IRRITATION, BURNS. INHALATION:  
ULCERATION OF MUCOUS MEMBRANES, HEADACHE, NAUSEA, PULMONARY EDEMA,  
SECONDARY CHEMICAL PNEUMONI A, DEATH. INGESTION: IRRITATION AND  
BURNS OF MOUTH AND THROAT, CRAMPS, NAUSEA, VOMITING, CONVULSIONS,  
COMA, DEATH.

Medical Cond Aggravated by Exposure:RESPIRATORY DI  
SORDERS, SKIN  
CONDITIONS, EYE CONDITIONS.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. GET MEDICAL  
ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. FLUSH AREA WITH  
LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION. INHALATION: MOVE TO  
FRESH AIR. IF NOT BREATHING, GIVE CPR. IF BREATHING DIFFICULT,  
GIVE OXYGEN. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE  
VOMITING. GIVE LARGE AMOUNTS OF WATER OR MILK

. 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 CONTAINERS TO  
BURST AND GENERATE CORROSIVE VAPORS. CONTACT WITH COMMON METALS MAY  
GENERATE EXP  
LOSIVE HYDROGEN GAS.

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

Spill Release Procedures:NOTIFY FACILITY EMERGENCY COORDINATOR. DO NOT  
RELEASE INTO SOIL, SEWER, STREAM, POND, OR SOURCES OF DRINKING  
WATER. NEUTRALIZE AND MOP UP OR VACUUM SPILL AND TRIPLE RINSE WATER  
INTO SUITABLE PLASTIC C ONTAINER FOR DISPOSAL.

Neutralizing Agent:SODIUM BICARBONATE OR SODA ASH/SLAKED LIME MIXTURE.

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

Handlin

g and Storage Precautions:STORE AT 50-90F AWAY FROM INCOMPATIBLE  
MATERIALS. PROTECT CONTAINERS AGAINST SPILLAGE AND PHYSICAL DAMAGE.  
KEEP CONTAINER CLOSED IN UPRIGHT POSITION.

Other Precautions:USE WITH ADEQUATE VENTILATION. USE "BUDDY SYSTEM"  
WHEN WORKING WITH CHEMICALS. TRIPLE RINSE CONTAINER CLEAN BEFORE  
DISCARDING. PUT NOTHING ELSE IN THIS CONTAINER. DO NOT GET IN EYES,  
ON SKIN, ON CLOTH ING. DO NOT BREATH VAPOR, MIST, OR GAS.

===== Exposure Controls/Personal Pr  
otection =====

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION  
CONDITIONS EXIST. IF AIRBORNE CONCENTRATION EXCEEDS TLV, USE NIOSH  
APPROVED BREATHING APPARATUS RECOMMENDED FOR THE EXISTING EXPOSURE  
LEVEL.

Ventilation:PROVIDE MECHANICAL (GENERAL) AND/OR LOCAL EXHAUST  
VENTILATION AS NECESSARY TO MAINTAIN EXPOSURE BELOW RECOMMENDED  
LEVEL.

Protective Gloves:NITRILE, NEOPRENE, VINYL, LATEX.

Eye Protection:FACE SHIELD, SPLASH-PROOF SAFETY GOGGLES

Other Prot

ective Equipment:DO NOT WEAR CONTACT LENSES. PROVIDE EYE WASH STATION, 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  
WEAR IMPERVIOUS BOOTS, APRON, PROTECTIVE CLOTHING AS REQUIRED BY JOB CONDITIONS. RUNOFF FROM FIRE CONTROL WATER MAY CAUSE POLUTION. DIKE SPILL AREA FOR LATER DISPOSAL.,

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

HCC:C1  
Boiling Pt:B.P. Text:>212F,>100C  
Melt/Freeze Pt:M.P/F.P Text: