

SIFCO SELECTIVE PLATING, DIV OF SIFCO INDUSTRIES -- 30101006 CLEANING & DEOXIDIZING SOLUTION -- 6850-01-067-6670

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

Product ID:30101006 CLEANING & DEOXIDIZING SOLUTION

MSDS Date:04/17/1990

FSC:6850

NIIN:01-067-6670

MSDS Number: BGKDL

=== 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:216-881-8600

Emergency Phone Num:216-881-8600

Preparer's Name:WERNER A EHRENSCHNEIDER

CAGE:DO645

=== Contractor Identification ===

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

Address:5708 SCHAFF 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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Coun

try:US

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CAGE:DO645

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

Ingred Name:SODIUM HYDROXIDE (SARA III)

CAS:1310-73-2

RTECS #:WB4900000

Fraction by Wt: 5%

Other REC Limits:NOT SPECIFIED

OSHA PEL:2 MG/M3

ACGIH TLV:C 2 MG/M3; 9293

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:UNIDENTIFIED COMPONENTS

Ingred Name:WATER; CAS #7732-18-5

CAS:7732-18-5

RTECS #:ZC0110000

Mixture:TLV FOR SODIUM HYDROXIDE IS 2 MG/M3.

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE-INHALE:BURNING NOSE & THROAT,SNEEZING,COUGHING,SEVERE IRRITATION,PULMONARY EDEMA.EYE:INTENSE IRRITATION,WATERING,BURNS,ULCERATION.MAY CAUSE LOSS OF EYES.SKIN:ITCHING,TINGLING,PAINFUL ULCERATION, SHOCK.ORAL:INTENSE BURNING SENSATION INMOUTH,THROAT,STOMACH,BLOODY DIARRHEA.DEATH POSSIBLE.  
CHRONIC-DERMATITIS.

Effects of Overexposure:BURNING NOSE & THROAT, SNEEZING, COUGHING, SEVERE IRRITATION, PULMONARY EDEMA IF INHALED. INTENSE EYE IRRITATION, WATERING, BURNS, ULCERATION. MAY CAUSE LOSS OF EYES. ITCHING, TINGLING, PAINFUL ULCERATION, SHOCK IF SKIN IS CONTACTED. ORALLY CAN CAUSE INTENSE BURNING SENSATION IN MOUTH, THROAT, STOMACH, BLOODY DIARRHEA.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS MAY BE MORE SUSCEPTIBLE TO THIS MATERIAL.

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

First Aid:GET MEDICAL ATTENTION IMMEDIATELY.EYE/SKIN:IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES.HOLD EYELIDS OPEN.INHALED:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED.ORAL:DO NOT INDUCE VOMITING .IF CONSCIOUS,RINSE MOUTH & DRINK COLD WATER,MILK WITH 1-2 RAW EGGS,FRUIT JUICE,A GLASS OF 1/3 VINEGAR AND 2/3 WATER.CALL A PHYSICIAN IMMEDIATELY.NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON

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

Flash Point:NONE

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE. RUNOFF FROM FIRE CONTROL WATER MAY CAUSE POLLUTION.

Unusual Fire/Explosion Hazard:EXCESSIVE HEAT MAY CAUSE CONTAINERS TO

BURST. CONTACT WITH ALUMINUM, MAGNESIUM, TIN AND ZINC MAY GENERATE FLAMMABLE OR EXPLOSIVE HYDROGEN GAS.

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

Spill Release Procedures:WEAR PROPER EQUIPMENTS. VENTILATE AREA. ELIMINATE ALL SOURCES OF IGNITION (MAY FORM H<sub>2</sub> GAS). STOP FLOW OF MATERIAL IF POSSIBLE. CAREFULLY MOP UP OR VACUUM SPILL AND TRIPLE RINSE WATER INTO A SUITABLE PLASTIC CONTAINER. DO NOT RELEASE INTO SOIL/SEWERS

Neutralizing Agent:DILUTE HYDROCHLORIC ACID (6M)

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

Handling and Storage Precautions:STORAGE-STORE AT 50-90F AWAY FROM INCOMPATIBLE MATERIALS.SAFEGUARD CONTAINERS AGAINST SPILLAGE & MECHANICAL INJURY.

Other Precautions:DANGER! CAUSTIC. AVOID BREATHING VAPORS OR MISTS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. REMOVE CONTAMINATED CLOTHING PROMPTLY. KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:NON REQUIRED UNDER NORMAL CONDITIONS. IF HIGH VAPOR OR MIST CONCENTRATIONS EXPECTED, USE NIOSH-APPROVED RESPIRATOR FOR ORGANIC VAPORS AND MISTS. WEAR SUPPLIED-AIR RESPIRATOR PROTECTION IN CONFINED OR ENCLOSED SPACES, IF NEEDED.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:NEOPRENE, VINYL, LATEX, NITRILE

Eye Protection:

SPLASH-PROOF CHEMICAL GOGGLES/FACESHIELD

Other Protective Equipment:EYE WASH STATION, QUICK DRENCH SHOWER AND IMPERVIOUS CLOTHING

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

MFR DID NOT PROVIDE INGREDIENT # 2 AND 3. CLAIMED TRADE SECRET. INGREDIENTS OBTAINED FROM EARLIER MSDS.

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

HCC:B1

Boiling Pt:>100.C, 212.F

Melt/Freeze Pt: