

SIFCO METACHEMICAL DIV OF SIFCO INDUSTRIES,INC. -- P/N 30101006 SIFCO DALIC SOLUTION
CLEANER & DEOXIDIZER -- 6850-01-067-6670

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

Product ID:P/N 30101006 SIFCO DALIC SOLUTION CLEANER & DEOXIDIZER

MSDS Date:05/27/1997

FSC:6850

NIIN:01-067-6670

MSDS Number: CDGPN

=== Responsible Party ===

Company Name:SIFCO METACHEMICAL DIV OF SIFCO INDUSTRIES,INC.

Address:5708 SCHAAF

ROAD

City:CLEVELAND

State:OH

ZIP:44131-1394

Country:US

Info Phone Num:216-881-8600

Emergency Phone Num:216-881-8600, 216-524-0099

Preparer's Name:WENER A. EHRENSCHNEIDER

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

CAGE:11924

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

Ingred Name:SODIUM HYDRO

XIDE (CERCLA)

CAS:1310-73-2

RTECS #:WB4900000

Fraction by Wt: 1-5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:2 MG/M3

ACGIH TLV:C 2 MG/M3; 9596

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 95-99%

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

Reports of Carcinogenicity:N

TP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: CORROSIVE TO EYES & MAY CAUSE SEVERE EYE DAMAGE. SKIN CONTACT CAUSES IRRITATION; MAY CAUSE BURNS. INHALATION MAY CAUSE IRRITATION OF NOSE, THROAT & LUNGS. INGESTION MAY CAUSE SEVERE & PERMANENT DAMAGE TO MOUTH, THROAT & STOMACH. CHRONIC: PROLONGED OR REPEATED EXPOSURE MAY CAUSE CHRONIC DERMATITIS.

Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Effects of Overexposure:SKIN-IRRITATION, BURNS. EYES-CORROSIVE TO EYES, WATERING, SEVERE EYE DAMAGE. INHALED-SNEEZING, NASAL DISCHARGE, COUGHING. INGESTED-SEVERE & PERMANENT DAMAGE TO MOUTH, THROAT & STOMACH.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN & EYE CONDITIONS; RESPIRATORY SYSTEM DISORDERS. TARGET ORGANS:SKIN/EYES/RESPIRATORY SYSTEM.

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

First Aid:IN ALL CASES GET MEDICAL ATTENTION. EYES-FLUSH WITH WATER FOR 15 MINUTES. SKIN-FLUSH WITH WATER FOR AT LEAST 15 MINUTES BEFORE REMOVING CONTAMINATED CLOTHES. INHALED-REMOVE TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. INGESTED-DO NOT INDUCE VOMITING UNLESS ADVISED TO DO SO BY EMS. GIVE CONSCIOUS VICTIM LOTS OF WATER OR MILK W/ 1-2 FRESH EGGS. GIVE GLASS OF 1/3 VINEGAR, 2/3 WATER.

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

Flash Point:WILL NOT BURN

Autoignition Temp:Autoignition Temp Text:NA

Lower Limits:NONE

Upper Limits:NONE

Extinguishing Media:ALL. DLA-HMIS: USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

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 & BURST IF EXPOSED TO HEAT(FIRE).WATER RUNOFF CAN CAUSE ENVIRONMENTAL DAMAGE.DIKE AREA FOR

LATER DISPOSAL.

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

Spill Release Procedures:ISOLATE & DENY ENTRY. NOTIFY FACILITY EMERGENCY COORDINATOR. ELIMINATE ALL SOURCES OF IGNITION.PROVIDE AMXIMUM VENTILATION. KEEP OUT OF SOIL, SEWERS, WATERWAYS. WEAR PROPER PERSONAL PROTECTIVE EQUIPM ENT (PPE). MOP OR VACUUM UP. Neutralizing Agent:DILUTE HYDROCHLORIC ACID (6M).

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED IN UPRIGHT POSITION. STORE AT 60-90F AWAY FROM INCOMPATIBLE MATERIALS & PHYSICAL HAZARDS. DO NOT REMOVE/DEFACE LABELS. Other Precautions:USE "BUDDY" SYSTEM WHEN WORKING W/CHEMICALS. DO NOT GET IN EYES, ON SKIN OR CLOTHES. DO NOT BREATH VAPOR, MIST OR GAS. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. TRIPLE RINSE CONTAINERS BEFORE DISCARDING.

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

Respirator Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134 AND ANSI Z88. 2. Ventilation:LOCAL EXHAUST VENTILATION REQUIRED TO MAINTAIN EXPOSURE BELOW TLV(S). Protective Gloves:NITRILE,NEOPRENE,VINYL,LATEX GLOVES. Eye Protection:SAFETY GLASSES/SIDE SHIELDS, FACESHEILD. Other Protective Equipment:IMPERVIOUS BOOTS, APRON, PROTECTIVE CLOTHING AS REQUIRED BY JOB CONDITIONS. EYE WASH STATION & SAFETY SHOWER. Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRER CONTAMINATED CLOTHES BEFORE REUSE. Supplemental Safety and Health DO NOT WEAR CONTACT LENSES.

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

HCC:B1
Boiling Pt:>100.C, 212.F
Melt/Freeze Pt: