

SIFCO METACHEMICAL DIV OF SIFCO INDUSTRIES,INC. -- 70410005 SCM 4100 SIFCO
ELECTROCLEANING -- 6850-01-046-0291

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

Product ID:70410005 SCM 4100 SIFCO ELECTROCLEANING

MSDS Date:01/15/1996

FSC:6850

NIIN:01-046-0291

MSDS Number: CDYWT

=== 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:216-524-0099

Emergency Phone Num:216-881-8600

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 HYDROXIDE (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:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE:CORROSIVE TO EYES & M

AY CAUSE

SEVERE EYE DAMAGE.SKIN:CAUSES IRRIT.MAY CAUSE BURNS.SKIN ABSORPTION:SUBSTANCE DOES NOT ABSORB THRU SKIN.INHAL:IRRIT EYE/NOSE/THROAT/LUNGS.MAY CAUSE SNEEZING,WATERING OF EYES,NASAL DISCHARGE,COUGHING.INGEST:MAY CAUSE SEVERE & PERMANENT DAMAGE TO MOUTH/THROAT/STOMACH.CHRONIC:(SUPPLEMENT)

Explanation of Carcinogenicity:PER MSDS:KNOWN/POTENTIAL

CARCINOGEN:NTP/IARC/OSHA/ACGIH:NO.

Effects of Overexposure:CORRO TO EYES, SEVERE EYE DAMAGE,IRRIT SKIN, BURNS SKIN, IRR

IT EYE/NOSE/THROAT/LUNGS, SNEEZING, WATERING OF EYES, NASAL DICHARGE, COUGHING, SEVERE/PERM DAMAGE TO MOUTH/THROAT/STOMACH, DERMATITIS.

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

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

First Aid:1ST AID PROVIDERS TAKE PROPER PRECAUT FOR OWN SAFETY BEF ENTER CONTAMIN AIREA HNDLG CONTAMIN CLOTH/EQPMT.ANOTHER IMMED CALL EMERG

MED SERV/HOSP/DT/POIS CNTRL CNTR/OPHTHALMOLOGIST.GIVE INFO:ACCIDENT LOC ATION,PHONE #,ACCIDENT

DESCRIPTION,CHEMAGENT/PRODUCT,#/CONDITIONS OF CASUALTIES,WHAT'S BEING DONE TO VICTIM.STAY ON PHONE.REMOVE VICTIM FROM CONTAM AREA.CALM/REASSURE/KEEP WARM.(SUPPLEMENTAL)

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

Flash Point:MATL WONT BURN

Autoignition Temp:Autoignition Temp Text:NA

Lower Limits:NONE

Upper Limits:NONE

Extinguishing Media:ALL

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re 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 EXPO TO HEAT(FIRE).WATER RUNOFF CAN CAUSE ENVIRONMENTAL DAMAGE.DIKE AREA FOR LATER DISPO.

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

Spill Release Procedures:DONT TOUCH/WALK THRU SPILL.ISOLATE AREA/KEEP

PEOPLE AWAY.NOTIFY FAC EMERG COORD.REMOVE ALL IGN SOURCES.PROVIDE
MAX VENTI.DONT RELEASE INTO SOIL/SEWER/NAT BODIES OF H2O.WEAR
PPE.CAREFULLY MOPUP/VAC.RIN SE 3X W/H2O INTO PLAST CNTNR.RQ
RELEASENOTIFY

Neutralizing Agent:DILUTE HYDROCHLORIC ACID (6M)

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

Handling and Storage Precautions:USE BUDDY SYST WHEN WORK W/CHEMS.DONT
GET IN EYE/SKIN/CLOTH.DONT BREATH VAP/MIST/GAS.USE W/ADEQUATE
VENTI.KEEP CNTNR TIGHTLY
CLSD IN UPRIGHT POSITION.

Other Precautions:STORE @60-90F AWAY FRM INCOMPAT MATLS & PHYSICAL
HAZ.DONT REMOVE/DEFACE CNTNR LABELS. DISPO:CONTAMIN MAY AFFECT
DISPO REQMTS.RESPONSIBILITY FOR PROPER WASTE DISPO IS W/GENERATOR
OF WASTE.SARA TITLE II I SEC 313 CHEM PRESENT.CERCLA RQ>18000L.

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

Respiratory Protection:IF ENGINEERING CONTRLS NOT FEASIBLE THE
RESPIRATORY PROTECTION PROGRAM MUST COMPLY W/OSHA
29CFR1910.1

34/30CFR11/ANSI Z88.2 REQMTS.

Ventilation:LOC EXHAU VENTI IS REQUIRED TO MEET PERMISSIBLE EXPO
LIMIT(PEL)DURING USE OF PRODUCT.

Protective Gloves:NITRILE,NEOPRENE,VINYL,LATEX GLOVES

Eye Protection:FCSHIELD,SAF GLASS W/SIDESHIELD

Other Protective Equipment:IMPERV BOOTS,APRON,PROT CLOTH AS REQUIRED BY
JOB CONDITIONS.SPLASH-PROOF CHEM GOGG.EYEWASH STATION,SAF
SHOWER,WASH FACI

Work Hygienic Practices:THOROUGHLY DECONTAMIN(OR
DISCARD)CLOTH/SHOES.WASH THOROUGHLY AFT HNDLG.DONT WEAR CON
TACT
LENSES.

Supplemental Safety and Health

HEALTH:PROL/REP EXPO MAY CAUSE CHRONIC DERM. 1ST AID:EYES:OPN,FLUSH
W/LOTS OF H2O @LEAST 15MIN.SKIN:IMMED FLUSH W/LOTS OF H2O @LEAST
15MIN,REMOVE CONTAM CLOTH/SHOES.INHAL:MOVE TO FRESH AIR.NOT BREATH
GIVE ART RESP;DIFF GIVE OXY.INGEST:DONT INDUCE VOMIT.GIVE LG QUANT
OF H2O/MILK W/1-2 EGGS,1 GLASS OF 1/3VINEGAR W/2/3H2O.

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

HCC:B1

Boiling Pt:>100.C, 212.F

Melt/Freeze

Pt: