

SIFCO METACHEMICAL DIV OF SIFCO INDUSTRIES,INC. -- DALIC SOLUTION TIN, CODE 2090 --  
6850-01-066-8311

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

Product ID:DALIC SOLUTION TIN, CODE 2090

MSDS Date:03/15/1995

FSC:6850

NIIN:01-066-8311

MSDS Number: CDGPM

=== Responsible Party ===

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

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, 216-524-0099

Preparer's Name:WERNER 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:TIN (DESCRIBED ON MSDS AS AN ORGANIC COMPOUND.)

CAS:7440-31-5

RTECS #:XP7320000

Fraction by Wt: 10-30%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9495

Ingred Name:ETHYLENEDIAMINE (SARA 302) (CERCLA)

CAS:107-15-3

RTECS #:KH8575000

Fraction by Wt: 7-13%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10 PPM

ACGIH TLV:S, 10 PPM; 9495

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 67-83%

Other REC Limits:NONE RECOMMENDED

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LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYE:MAY CAUSE IRRITATION. SKIN:MAY  
CAUSE IRRITATION. SKIN ABSORPTION:NOT ABSORBED THROUGH SKIN.  
INHALATION:MAY CAUSE ;SNEEZING, WATERING OF EYES, NASAL DISCHARGE,  
COUGHING. INGESTION:HARMFUL IF SWALLO WED. CAN IRRITATE MOOUTH,  
THROAT, STOMACH. MAY CAUSE G/I IRRITATI  
ON. CHRONIC:MAY CAUSE  
DAMAGE. MAY SENSITIZE ALLERGIES.  
Explanation of Carcinogenicity:MANUFACTURER GAVE NO INFORMATION ABOUT  
CARCINOGENICITY. HMIS FOUND NO LISTING & DOES NOT EXPECT IT TO BE  
CARCINOGENIC.  
Effects of Overexposure:IRRITATION, COUGHING, WATERING EYES, SNEEZING,  
NASAL DISCHARGE  
Medical Cond Aggravated by Exposure:NONE REPORTED

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

First Aid:IF IRRITATION PERSISTS/IS SEVERE,GET MEDICAL ATTENTION.  
E  
YE:FLUSH W/WATER FOR 15 MIN. SKIN:FLUSH W/WATER. REMOVE  
CONTAMINATED CLOTHING & LAUNDER BEFORE REUSE. INHALED:REMOVE FROM  
EXPOSURE. AID/RESTORE BREATHING AS NEEDED. INGESTED:DO NOT INDUCE  
VOMITING. GIVE LARGE QUANTITY MILK OR WATER TO DRINK THEN COOKING  
OIL OR FRESH EGGS. GET IMMEDIATE MEDICAL ATTENTION. NOTHING BY  
MOUTH IF UNCONSCIOUS.

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

Flash Point:NONE  
Lower Limits:NONE  
Upper Limits:NONE  
Extinguishing Me  
dia:ALL  
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:NOTIFY FACILITY EMERGENCY C

COORDINATOR. WEAR  
PROTECTIVE CLOTHING. PROVIDE MAXIMUM VENTILATION. ELIMINATE  
IGNITION SOURCES. CAREFULLY MOP UP/VACUUM SPILL & TRIPLE RINSE  
W/WATER INTO SUITABLE PLASTIC CONTAINER. FLUSH SPILL AREA WITH  
PLENTY OF WATER.

Neutralizing Agent: SODA ASH, CRUSHED LIMESTONE

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

Handling and Storage Precautions: STORE AT 60-90F AWAY FROM INCOMPATIBLE  
MATERIALS & PHYSICAL HAZARDS. KEEP CONTAINER TIGHTLY CLOSED &  
UPRIG  
HT. DO NOT REMOVE OR DEFACE LABELS.  
Other Precautions: USE BUDDY SYSTEM WHEN WORKING W/CHEMICALS. DO NOT GET  
IN EYES, ON SKIN OR CLOTHING. DO NOT BREATHE VAPOR, MIST, GAS. USE  
W/ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. DO NOT  
REUSE CONTAINER; TRIPLE RINSE THEN DISPOSE PROPERLY.

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

Respiratory Protection: IF ENGINEERING CONTROLS ARE NOT FEASIBLE, THE  
RESPIRATOR PROGRAM MUST COMPLY W/OSHA 29CFR1910.134,  
30CFR11, &  
ANSI Z88.2.  
Ventilation: LOCAL EXHAUST VENTILATION IS REQUIRED TO MEET THE  
PERMISSABLE EXPOSURE LIMITS (PEL) DURING THE USE OF THIS PRODUCT.  
Protective Gloves: NITRILE, NEOPRENE, VINYL, LATEX  
Eye Protection: CHEMICAL SPLASH GOGGLES/SAFETY GLASSES  
Other Protective Equipment: IMPERVIOUS BOOTS, APRON, PROTECTIVE CLOTHING  
REQUIRED BY JOB CONDITIONS. EYE WASH, SAFETY SHOWER & WASHING  
FACILITIES.  
Work Hygienic Practices: MFR GAVE NO INFORMATION OF MSDS.  
Supplemental Safety and Health  
FACE SHIELD PLUS SAFETY GLASSES W/SIDE SHIELDS ARE ALSO ACCEPTABLE EYE  
PROTECTION. DO NOT WEAR CONTACTS.

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

HCC: C3  
NRC/State Lic Num: NONE  
Boiling Pt: B.P. Text: >212F, >100C  
Melt/Freeze Pt: M.P/F.P Text: