

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: