

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

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

Product ID:DALIC SOLUTION,TIN,2090

MSDS Date:06/03/1997

FSC:6850

NIIN:01-066-8311

MSDS Number: BWRLJ

=== 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 P

hone Num:216-881-8600

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

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 (AS ORGANIC COMPOUND)

CAS:7440-31-5

RTECS #:XP7320000

Fraction by Wt: 10 - 30%

Other REC Limits:NONE RECOMMEN

DED

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9596

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; 9596

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 57 - 83%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:NOT RELEVANT

50 Mixture:LD50 (ORAL, RAT) IS NOT KNOWN.

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, NASAL CAVITY, LUNGS, LIVER & KIDNEYS. ACUTE- MAY CAUSE EYE & SKIN IRRITATION. INHALATION MAY CAUSE SNEEZING, COUGHING. HARMFUL IF SWALLOWED. MAY CAUSE MOUTH, THROAT, STOMACH IRRITATION. CHRONIC- MAY CAUSE DAMAGE TO SKIN, EYES, RESPIRATORY SYSTEM & TEETH. MAY CAUSE SENSITIZATION, SKIN REACTION.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, REDNESS, SWELLING, NAUSEA, SNEEZING, COUGHING, ALLERGIC SKIN REACTION AND SENSITIZATION, WATERY EYES

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.

EYES/SKIN:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NECESSARY. ORAL:DO NOT INDUCE VOMITING EXCEPT ON ADVICE OF COMPETENT MEDICAL PERSONNEL. IF CONSCIOUS, DRINK PLENTY OF WATER OR MILK. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point:NONE

Lower Limits:NOT RELEVANT

Upper Limits:NOT RELEVANT

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 PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:CONTAINER MAY BURST. WATER RUNOFF CAN CAUSE ENVIRONMENTAL DAMAGE.

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

Spill Release Procedures:RECOVER AS MUCH MATERIAL AS POSSIBLE

TERIAL AS POSSIBLE. ABSORB
REMAINING OF SPILL WITH VERMICULITE. TRANSFER TO A SUITABLE
CONTAINER FOR DISPOSAL. AVOID TOUCHING SPILL.
Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE AT 60-90F, IN CLOSED CONTAINER.
KEEP AWAY FROM INCOMPATIBLE MATERIALS.
Other Precautions:WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING
AND BEFORE EATING, DRINKING, SMOKING. KEEP OUT OF REACH OF
CHILDRE
N. DO NOT TAKE INTERNALLY. AVOID EYE AND SKIN CONTACT.

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

Respiratory Protection:IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE
CONCENTRATIONS TO AN ACCEPTABLE LEVEL, A NIOSH-APPROVED RESPIRATOR
MUST BE WORN. A PROGRAM SHOULD BE INSTITUTED TO ASSURE COMPLIANCE
WITH OSHA STANDARD 29 CFR 1910.134.

Ventilation:LOCAL EXHAUST

Protective Gloves:NITRILE, NEOPRENE, LATEX

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, PROTECTIVE
CLOTHING

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. DO NOT WEAR CONTACT LENSES.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE PNI A, SAME NSN.

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

HCC:N1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:>212F,>100C

Melt/Freeze Pt:M.P/F.P Text: