

TARACORP INDUSTRIES IMACO PLANT -- TARAMET STERLING SOLDER M/L 040 --  
3439-01-277-4758

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

Product ID:TARAMET STERLING SOLDER M/L 040  
MSDS Date:05/01/1990  
FSC:3439  
NIIN:01-277-4758  
MSDS Number: BXXYT  
=== Responsible Party ===  
Company Name:TARACORP INDUSTRIES IMACO PLANT  
Address:1690 LOWERY ST (FRMLY:20 E ACADIA AVE)  
City:WINSTON-SALEM  
State:NC  
ZIP:27101  
Country:US  
In  
fo Phone Num:910-777-8600  
Emergency Phone Num:910-777-8600/800-424-9300(CHEMTREC)  
CAGE:84996  
=== Contractor Identification ===  
Company Name:TARACORP INDUSTRIES IMACO PLANT  
Address:20 E ACADIA AVE  
Box:City:WINSTON-SALEM  
State:NC  
ZIP:27108  
Country:US  
CAGE:84996

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

Ingred Name:TIN  
CAS:7440-31-5  
RTECS #:XP7320000  
Fraction by Wt: 95.00%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:2 MG/M3  
ACGIH TLV:2 MG/M3; 9495

Ingred Name:COPPER (SA

RA 313) (CERCLA) (DUST/FUME)

CAS:7440-50-8

RTECS #:GL5325000

Fraction by Wt: 4.85%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1MG/M3 FUME/1 DUST

ACGIH TLV:0.2 MG/M3 FUME; 9495

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:SELENIUM (SARA 313) (CERCLA)

CAS:7782-49-2

RTECS #:VS7700000

Fraction by Wt: 0.15%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.2 MG/M3

ACGIH TLV:0.2 MG/M3; 9495

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

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

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

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

Health Hazards Acute and Chronic:EXPO TO SOLID FORM OF PRODUCT PRESENTS FEW HEALTH HAZ IN ITSELF.HOWEVER NORMAL HNDLG/PROCESSING OF MATL MAY RESULT IN GENERATION OF TIN & COPPER DUST &/OR FUMES WHICH MAY PRESENT HEALTH HAZ. CHRONIC(P ROL) OVEREXPO TO TIN CAN RESULT IN BENIGN PNEUMOCONIOSIS(STANNOIS).FORM OF PNEUMOCONIOSIS PRODUCES PROGRESSIVE (SUPPLEM)

Explanation of C

arcinogenicity:PER MSDS:CARCINOGENITY:NOT LISTED AS CARCINOGEN BY NTP/IARC/OSHA/ACGIH.

Effects of Overexposure:BENIGN PNEUMOCONIOSIS (STANNOIS). EYE/SKIN/MUC MEMBRANES/RESP SYS/NOSE/THROAT IRRIT. METAL FUME FEVER W/FLU-LIKE SYMPTOMS SUCH AS SWEET METAL TASTE,DRY THROAT,COUGHING,FEVER,CHILLS,TIGHT CHEST,DYSPNEA ,HEADACHE,BLURRED VISION,BACK PAIN,NAUSEA,VOMIT,FATIGUE.SKIN/HAIR DISCOLORATION.CHANGES IN GUM,MUC MOUTH LINING.

Medical Cond Aggravated by Exposure:PRE-EXISTING CO

CONDITIONS OF LUNGS.

WILSON'S DISEASE (GENETIC TRAIT).

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

First Aid:SKIN:NORMAL HYGIENE PROCEDURES.WASH W/SOAP/WATER.IF RASH DEVELOPS GET MED ATTN. EYE:FLUSH WELL W/RUNNING WATER TO REMOVE PARTICULATE.IF IRRIT PERSISTS GET MED ATTN. INHAL:REMOVE FROM EXPO.GET MED ATTN. INGEST:GIVE WATER.INDUCE VOMIT IN CONSCIOUS INDIVIDUAL.GET MED ATTN.

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

Flash  
Point:NON-FLAMMABLE  
Extinguishing Media:NO SPECIFIC AGENTS RECOMMENDED.  
Fire Fighting Procedures:IF INVOLVED IN FIRE USE FULL PROTECTIVE CLOTHING & NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE-PRESSURE MODE.  
Unusual Fire/Explosion Hazard:THE SOLID METAL FORM IS NOT A FIRE HAZARD. HOWEVER, DUST GENERATED FROM PROCESSING OPERATIONS MAY PRESENT A MODERATE FIRE OR EXPLOSION HAZARD.

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

S  
Spill Release Procedures:DUST:MIN EXPO.CLEANUP W/DUSTLESS METHODS(VACUUM).DO NOT USE COMPRESSED AIR.PLACE IN CLSD LABEL CNTNR FOR RECYCLE/DISPOSAL.KEEP OUT OF WATERWAYS.WEAR PROT CLOTH/RESP PROT.ESTABLISH SPILL PREVENT/CNTRL/COUNTERMEASURE PLAN CONFORM TO SAFE PRACT.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP MATL DRY.AVOID STORAGE NEAR IMCOMP MATL.KEEP AWAY FROM CHILDREN/THEIR ENVIRO.SPEC ATTN:REQMTS OF US OSHA RESP STD 1910.134 IF EXCEED AIRBORNE EXPO  
Other Precautions:WASH HANDS/FACE THOROUGHLY BEF EAT/DRINK/APPLYING COSMETIC/USE TOBACCO PRODUCTS.AVOID INHAL/INGEST OF PRODUCT & ACTIVITIES WHICH GENERATE DUST/FUME.KEEP MELT/SOLDER TEMP AS LOW AS POSSIBLE TO MIN GENERATION OF FUMES.

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

Respiratory Protection:RESP PROTECTION IS REQUIRED WHERE AIRBORNE EXPO EXCEED US-O

SHA/ACGIH PERMISSIBLE AIR CONCEN.RESP SELECTION SHALL BE  
MADE IAW US OSHA RESP PROTECTION STD 29 CFR 1910.134.

Ventilation:VENTILATION(PER INDUST VENTI MANUAL OF RECOMM PRACT FRM  
ACGIH)RECOMMENDED TO MAINTAIN EXPO LEVELS BEL PEL/TLV FRM REGS.

Protective Gloves:RECOMMENDED FOR PROLONGED CONTACT/BEAT.

Eye Protection:SAF GLASSES/GOGG;FCSHIELD FOR MOLT METAL

Other Protective Equipment:SAFETY EQPMT SHOULD BE WORN AS APPROPRIATE  
FOR WORK ENVIRONMENT.

Work Hygienic Practices:DO NOT PERMIT E  
AT/DRINK/COSMETIC USE/TOBACCO

USE WHILE HNDLG/PROCESS MATL/IN WORK AREA.PRACT GOOD PERS HYG  
PROCEDURES.

Supplemental Safety and Health

HEALTH HAZ:X-RAY LUNG CHANGES AS LONG AS EXPO EXISTS;NO DISTINCTIVE  
FIBROSIS,NO EVIDENCE OF DISABILITY,NO SPECIAL COMPLICATING

FACTORS.ACUTE(SEVERE SHORT TERM)TIN OVEREXPO:EYE,SKIN,MUC MEMB,RESP  
SYS IRRIT.CU DUST/FUME:EYE,NOSE,THROAT,SKIN IRRIT;METAL FUME  
FEVER;SKIN/HAR DISCOLORATION;GUMS/MUC MOUTH LINING CHANGES.

=====  
Phy  
sical/Chemical Properties =====

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:410F,210C

Spec Gravity:7.38

Solubility in Water:INSOLUBLE

Appearance and Odor:SOLID, SILVER TO SILVER-GRAY METALLIC METAL, NO  
ODOR.

=====  
Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

CHLORINE, TURPENTINE, MAGNESIUM, ACETYLENE GAS.

Hazardous Decomposition Products:AT TEMPERATURES ABOVE MELTING POINT  
METAL OXIDE FUMES MAY BE EVOLVED.

=====  
===== Disposal Considerations =====

Waste Disposal Methods:NOTIFY NAT RESP CNTNR 800-424-8802 MAY BE  
REQUIRED FOR SPILLS.MAY HAVE VLUE ON RECCLD BASIS.IF DISPOSE OF  
DISPOSE OF IN PERMITTED DISPOSAL SITE IAW ALL FED/STATE/LOC  
DISPOSAL/DISCHARGE REGS.CHEM SUBJ TO SEC 313 TITLE II  
SARA/40CFR372:COPPER(H-1).

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department  
of Defense.

The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.