

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

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===== 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).

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===== 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.

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===== 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.

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

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.

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===== 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.

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===== 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.

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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.

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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.

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===== 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).

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