

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 =====

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 BEFORE 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 I RRIT.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.

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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 RECCLED 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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