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KAPP ALLOY AND WIRE INC -- TIN-LEAD ALLOY CORE SOLDER -- 3439-00-819-5533
========== Product Identification ==========

Product ID:TIN-LEAD ALLOY CORE SOLDER
MSDS Date:08/01/1993
FSC:3439
NIIN:00-819-5533
MSDS Number: BRSTV
=== Responsible Party ===
Company Name:KAPP ALLOY AND WIRE INC
Address:ONE KLEIN ST
Box:1188
City:OIL CITY
State:PA
ZIP:16301
Country:US
Info Phone Num:814-676-0613
Emergency Phone Num:81
4-676-0613
CAGE:44851
=== Contractor Identification ===
Company Name:COORDINATED WESTERN INC
Address:2968 TEAGARDEN ST
Box:City:SAN LEANDRO
State:CA
ZIP:94977
Country:US
Phone:510-895-8585
CAGE:0U0J2
Company Name:KAPP ALLOY AND WIRE INC
Address:1 KLEIN ST
Box:City:OIL CITY
State:PA
ZIP:16301
Country:US
Phone:814-676-0613
CAGE:44851

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

Ingred Name:TIN (SN)
CAS:7440-31-5
RTECS #:XP7320000
Other REC Limits:NONE RECOMMENDED
OSHA PEL

:2 MG/M3
ACGIH TLV:2 MG/M3; 9293

Ingred Name:LEAD (SARA III)
CAS:7439-92-1
RTECS #:OF7525000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.05 MG/M3;1910.1025
ACGIH TLV:0.15 MG/M3;DUST 9293
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:AZELAIC ACID
CAS:123-99-9
RTECS #:CM1980000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:NOT ESTABLISHED.
ACGIH TLV:NOT ESTABLISHED.

Ingred Name:UREA
CAS:57-13-6
RTECS #:YR6250000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:NOT ESTABLISHED.
ACGIH TLV:NOT ESTABLISHE
D.

Ingred Name:ETHYLENEDIAMINE DIHYDROCHLORIDE
CAS:333-18-6
RTECS #:KV3850000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:NOT ESTABLISHED.
ACGIH TLV:NOT ESTABLISHED.

Ingred Name:ETHYLAMINE HYDROCHLORIDE
CAS:557-66-4
Other REC Limits:NONE RECOMMENDED
OSHA PEL:NOT ESTABLISHED.
ACGIH TLV:NOT ESTABLISHED.

Ingred Name:SUCCINIMIDE
CAS:123-56-8
RTECS #:WN2200000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:NOT ESTABLISHED.
ACGIH TLV:NOT ESTABLISHED.

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

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Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE- UNLIKELY. CHRONIC- HIGH LEVELS OF AIRBORNE OR INGESTED LEAD MAY RESULT IN ANEMIA, INSOMNIA, WEAKNESS, CONSTIPATION, KIDNEY, NERVOUS SYSTEM AND REPRODUCTIVE EFFECTS. EXPOSURE TO LEAD MAY RESULT IN INJURY TO A DEVELOPING FETUS.
Explanation of Carcinogenicity:CONTAINS LEAD
Effects of Overexposure:EYE IRRITATION, ABDO
MINAL PAIN, WEAKNESS,
CONSTIPATION, NAUSEA
Medical Cond Aggravated by Exposure:DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS, KIDNEYS, NERVOUS SYSTEM AND POSSIBLY REPRODUCTIVE SYSTEMS MAY BE AGGRAVATED BY OVEREXPOSURE TO LEAD.

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

First Aid:CALL A DOCTOR IF SYMPTOMS PERSIST. EYE:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER. INHALED:REMOVE TO FRESH AIR. PROVIDE
CPR/OXYGEN IF NEEDED.
ORAL:I F CONSCIOUS, INDUCE VOMITING. CALL A PHYSICIAN/POISON CONTROL CENTER IMMEDIATELY. NOTE:OCCASIONAL BLOOD TESTING FOR LEAD LEVEL SHOULD BE ROUTINE FOR INDIVIDUALS WHO ARE CHRONICALLY EXPOSED TO LEAD.

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

Flash Point:NONE
Extinguishing Media:WATER FOG, FOAM, CARBON DIOXIDE. DO NOT USE WATER ON FIRE WHERE MOLTEN METALS IS PRESENT.
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING
AND
NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.
Unusual Fire/Explosion Hazard:MOLTEN METALS PRODUCE FUME OR VAPOR THAT IS TOXIC. REACTS VIOLENTLY WITH OXIDIZING AGENTS.

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

Spill Release Procedures:COLLECT AND USE. IF CONTAMINATED OR IN SMALL PARTICLES, VACUUM OR COLLECT MATERIAL. NEVER USE ANY METHOD WHICH GENERATE DUST. DO NOT USE FORCED AIR F

OR CLEANING. WEAR
NIOSH-APPROVED DUST MASK IF DUSTY CONDITION.
Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:KEEP AWAY FROM INCOMPATIBLE MATERIALS.
AVOID ACCIDENTAL INGESTION. FOOD AND DRINK SHOULD NOT BE CONSUMED
IN AREAS WHERE METAL EXPOSURES ARE POSSIBLE.
Other Precautions:READ WARNING LABELS. KEEP OUT OF REACH OF CHILDREN.
FOR INDUSTRIAL USE ONLY. DO NOT GENERATE DUST. DO NOT BREATHE DUS
T
OR FUMES. AVOID CONTACT WITH DUST OR FUMES.

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

Respiratory Protection:REQUIRED IF TLV'S ARE NOT BEING MAINTAINED. USE
NIOSH APPROVED RESPIRATOR FOR LEAD DUST/FUME (HIGH EFFICIENCY
FILTERS) IF TLVS ARE EXCEEDED.
Ventilation:LOCAL DUST PICK UP AND ADEQUATE VENTILATION
Protective Gloves:HEAT RESISTANT DURING SOLDERING
Eye Protection:FACE SHIELD/GOGGLES DURING SOLDERING
Other Protective Equipment:INSTALL EYE WASH STATIO
N.
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. WASH THOROUGHLY AFTER HANDLING AND BEFORE
EATING.
Supplemental Safety and Health

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

HCC:N1
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:B.P. Text:3191F (PB)
Spec Gravity:8.9 (60SN/40PB)
Evaporation Rate & Reference:NOT RELEVANT
Solubility in Water:INSOLUBLE
Appearance and Odor:SILVERY, METALLIC - NO ODOR

========== St

ability and Reactivity Data ==========

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS (E.G. CHLORINE TRIFLUORIDE, HYDROGEN PEROXIDE), SODIUM AZIDE, AMMONIA & ACETYLENE
Stability Condition to Avoid:NONE
Hazardous Decomposition Products:LEAD OXIDE FUME AND OR LEAD PARTICULTE MAY BE EVOLVED.

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

Waste Disposal Methods:NEVER DISPOSE OF IN TRASH. HOLD FOR RECYCLING OR DISPOSE OF IN ACCORDANCE WI
TH ALL APPLICABLE LOCAL, STATE AND
FEDERAL REGULATIONS.

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