

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

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Product Identification  
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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

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Composition/Information on Ingredients  
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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  
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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.

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===== 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, ABDOMINAL 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:IF 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

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===== 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.

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===== 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

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===== 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

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===== 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 PARTICULATE  
MAY BE EVOLVED.

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

Waste Disposal Methods: NEVER DISPOSE OF IN TRASH. HOLD FOR RECYCLING OR  
DISPOSE OF IN ACCORDANCE WITH

ALL APPLICABLE LOCAL, STATE AND  
FEDERAL REGULATIONS.

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