

MULTICORE SOLDERS -- SOLDER SN 60 (SN60PB40) WRMAP 2 -- 3439-00-437-6721

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

Product ID:SOLDER SN 60 (SN60PB40) WRMAP 2

MSDS Date:03/11/1992

FSC:3439

NIIN:00-437-6721

MSDS Number: BQWLF

=== Responsible Party ===

Company Name:MULTICORE SOLDERS

Address:CANTIAGUE ROCK RD

City:WESTBURY

State:NY

ZIP:11590

Country:US

Info Phone Num:214-238-1224

Emergency Phone Num:214-238-1224

Preparer's Name:ROBERT L. GILBERT

CAGE:03051

=== Contractor Identification ===

Company Name:MULTICORE SOLDERS

Address:CANTIAGUE ROCK RD

Box:City:WESTBURY

State:NY

ZIP:11590

Country:US

Phone:214-238-1224

CAGE:03051

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

Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525000

Fraction by Wt: 35-40%

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 L

B

Ingred Name:TIN  
CAS:7440-31-5  
RTECS #:XP7320000  
Fraction by Wt: 55-60%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:2 MG/M3  
ACGIH TLV:2 MG/M3; 9293

Ingred Name:ROSIN (MAY DECOMPOSE DURING SOLDERING TO  
FORMALDEHYDE/TURPENTINE)  
CAS:8050-09-7  
Fraction by Wt: 1 - 3%  
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards A

cute and Chronic:ACUTE: WEAKNESS,VOMITING,LOSS OF  
APPETITE, CONVULSIONS,STUPOR, POSSIBLY COMA. DUST,VAPOR OR FUMES  
MAY BE IRRITATING TO SKIN,EYES, RESPIRATORY SYSTEM. CHRONIC:  
WEAKNESS, INSOMNIA, HYPERTENSION, SLIGHT IRRITATION OF EYES,  
HEADACHE, POSSIBLE PARALYSIS. LEAD MAY DAMAGE BLOOD-FORMING,  
NERVOUS, URINARY, REPRODUCTIVE SYSTEMS.

Explanation of Carcinogenicity:FORMALDEHYDE FORMED DURING THE  
DECOMPOSITION OF ROSIN FLUX IS LISTED AS A SUSPECTED CARCINOGEN BY  
ACGI

H.

Effects of Overexposure:WEAKNESS, VOMITING, LOSS OF APPETITE,  
CONVULSIONS, STUPOR, COMA, SKIN IRRITATION, EYE IRRITATION,  
RESPIRATORY SYSTEM IRRITATION, INSOMIA, HYPERTENSION, HEADACHE,  
PARALYSIS, AND DAMAGE OF BLOOD-FORMING , NERVOUS, URINARY, AND  
REPRODUCTIVE SYSTEMS.

Medical Cond Aggravated by Exposure:LEAD AND ITS INORGANIC COMPOUNDS  
ARE NEUROTOXINS WHICH MAY PRODUCE NEUROPATY. ROSIN IS AN ALLERGEN.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN: WASH WITH SOAP AND WATER. INHALATION: MOVE TO FRESH AIR. GET MEDICAL ATTENTION IF EXPERIENCING EFFECTS OF OVER EXPOSURE. INGESTION: GET IMMEDIATE MEDICAL ATTENTION.

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

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED FULL FACE PIE CE, SELF-CONTAINED BREATHING APPARATUS OPERATED IN THE POSITIVE-PRESSURE MODE.

Unusual Fire/Explosion Hazard:DO NOT USE WATER ON FIRES WHERE MOLTEN METAL IS PRESENT. HIGH TEMPERATURES MAY PRODUCE HEAVY METAL FUMES, DUSTS AND OR VAPORS.

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

Spill Release Procedures:PARTICULATE MATTER SHOULD BE STORED IN DRY CONTAINERS FOR LATER DISPOSAL. DUST MATERIAL SHOULD BE VACUUMED OR WET SWEEPED. DO NOT USE COMPRESSED AIR OR DRY SWEEPING AS A MEANS OF CLEANING.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:WASH HANDS WITH SOAP AND WATER AFTER HANDLING SOLDER. STORE IN DRY AREA AWAY FROM STRONG OXIDIZERS. AVOID BREATHING SMOKE DURING SOLDERING.

Other Precautions:NONE KNOWN.

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

Respiratory Protection:NONE NORMALLY REQUIRED. FOLLOW SPECIFICATIONS IN 29 CFR 1910.1025 (F) IF EXPOSURE EXCEEDS PEL.

Ventilation:LOCAL EXHAUST TO REMOVE SMOKE FROM BREATHING AREA. MECHANICAL (GENERAL) IS NORMALLY ADEQUATE.

Protective Gloves:IMPERVIOUS.

Eye Protection:FACE SHIELD OR SAFETY GLASSES.

Other Protective Equipment:EYE WASH STATION, EMERGENCY SHOWER. PERSONAL CLOTHING AND SHOES SHOULD BE PROTECTED FROM CONTAMINATION.

Work Hygienic Practices:DO NOT EAT, DRINK OR SMOKE IN WORK AREA. WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING.

## Supplemental Safety and Health

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

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:361F,183C

Spec Gravity:8 @25C

Solubility in Water:INSOLUBLE

Appearance and Odor:GRAY METAL WITH NEUTRAL ODOR.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:NONE KNOWN.

Hazardous Decomposition Products:HIGH TEMPERATURES MAY PRODUCE HEAVY

METAL FUMES, DUST AND/OR VAPORS.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

### ===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF HAZARDOUS WASTES IN ACCORDANCE WITH  
LOCAL, STATE AND FEDERAL REGULATIONS. CONSULT A LICENSED HAZARDOUS  
WASTE COMPANY.

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