

ALPHA METALS -- ENERGIZED ROSIN CORE SOLDER (0.015" DIA.) -- 3439-00-955-1823

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

Product ID:ENERGIZED ROSIN CORE SOLDER (0.015" DIA.)

MSDS Date:06/27/1986

FSC:3439

NIIN:00-955-1823

MSDS Number: BHXFD

=== Responsible Party ===

Company Name:ALPHA METALS

Address:600 ROUTE 440

City:JERSEY CITY

State:NJ

ZIP:07304

Country:US

Info Phone Num:201-434-6778

Emergency Phone Num

:800-424-9300 (CHEMTREC)

CAGE:96613

=== Contractor Identification ===

Company Name:FRYS METALS INC (FORMER ALPHA METALS)

Address:600 ROUTE 440

Box:City:JERSEY CITY

State:NJ

ZIP:07304

Country:US

Phone:201-434-6778

CAGE:96613

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

Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525000

OSHA PEL:0.05 MG/M3;1910.1025

ACGIH TLV:0.15 MG/M3;DUST 9192

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:TIN

CAS:7440-31-5

RTECS #:XP7320000

OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9192

Ingred Name:SILVER (SARA III)
CAS:7440-22-4
RTECS #:VW3500000
OSHA PEL:0.01 MG/M3
ACGIH TLV:0.1 MG/M3; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:BISMUTH
CAS:7440-69-9
RTECS #:EB2600000

Ingred Name:ANTIMONY (SARA III)
CAS:7440-36-0
RTECS #:CC4025000
OSHA PEL:0.5 MG/M3
ACGIH TLV:0.5 MG SB/M3; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:INDIUM
CAS:7440-74-6
RTECS #:NL1050000
OSHA PEL:0.1 MG/M3
ACGIH TLV:0.1 MG/M3; 9192

Ingred Name:ROSIN ACID
CAS:8050-09-7
Fraction by Wt: 1-4%
ACGIH TLV:0.10 MG/CUM

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS >5000 MG/KG (ROSIN)
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: INHALE: IN MOLTEN STATE, ROSIN
FUMES CAN CAUSE RESPIRATORY IRRITATION, DIZZINESS, HEADACHE. LEAD
COULD CAUSE ANEMIA, INSOMNIA, WEAKNESS, CONSTIP

ATION, NAUSEA, AND
ABDOMINAL PAIN. SKIN: MOLTEN S OLDER WILL CAUSE BURNS. CAN CAUSE
RASH.CHRONIC: NONE SPECIFIED BY MANUFACTURER.
Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS
LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.
Effects of Overexposure:PROLONGED EXPOSURE TO HIGH LEVELS OF AIRBORNE
OR INGESTED LEAD MAY RESULT IN KIDNEY AND NERVOUS SYSTEM
INVOLVEMENT.
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF SKIN AND
RESPIRATORY DISORD
ERS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION: REMOVE SUBJECT TO FRESH AIR. IF BREATHING
DIFFICULT, ADMINISTER OXYGEN AND CONSULT A DOCTOR. EYE: FLUSH WITH
PLENTY OF WATER FOR 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION.
SKIN: WASH WITH SOAP AND WATER. INGESTION: DO NOT INDUCE VOMITING.
GET IMMEDIATE MEDICAL ATTENTION.

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

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.
Unusual Fire/Explosion Hazard:WHEN HEATED TO HIGH TEMPERATURES, LEAD
EMITS HIGHLY TOXIC FUMES.

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

Spill Release Procedures:SOLID AT ROOM TEMPERATURE. IF IN MOLTEN STATE
ALLOW TO COOL AND SOLIDIFY AND THEN SCRAPE UP.
Neutralizing Agent:NONE APPLICABLE FOR THIS MATERIAL

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

Handling and Storage Precautions:NO SPECIAL REQUIREMENTS FOR STORAGE.
Other Precautions:FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF
CHILDREN. DO NOT TAKE INTERNALLY.

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

Respiratory Protection:NIOSH APPROVED RESPIRATOR FOR ORGANIC VAPORS IF
TLV'S ARE EXCEEDED.
Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL AND /

OR LOCAL

EXHAUST) VENTILATION TO MAINTAIN EXPOSURE LEVELS BELOW TLV'S.

Protective Gloves:NOT USUALLY NECESSARY.

Eye Protection:FACE SHIELD/EYE GOGGLES WHEN SOLDERING.

Other Protective Equipment:NOT USUALLY NECESSARY.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. NO EATING, DRINKING, SMOKING, OR APPLYING COSMETICS AROUND SOLDER USE.

Supplemental Safety and Health

SINCE EMPTY CONTAINERS MAY RETAIN PRODUCT RESIDUES ALL LABELED HAZARD PRECAUTIONS MUST BE OBSERVED.

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

HCC:N1

Solubility in Water:INSOLUBLE

Appearance and Odor:SILVER-GRAY METAL WIRE, ODORLESS, VARIOUS SHAPES AND SIZES.

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING MATERIALS, STRONG ACIDS.

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:THE SMOKE FROM SOLDERING OPERATION MAY INCLUDE SUCH COMPOUNDS AS CARBON MONOXIDE, ABIETIC ACID, ALIPHATIC ALDEHYDES.

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

Waste Disposal Methods:THE ALLOY PORTION IS RECLAIMABLE. DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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