

ALPHA METALS -- ENERGIZED ROSIN CORE SOLDER -- 3439-01-233-7463

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

Product ID:ENERGIZED ROSIN CORE SOLDER

MSDS Date:05/02/1989

FSC:3439

NIIN:01-233-7463

MSDS Number: BGRBX

=== 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:201-434-6778

CAGE:96613

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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

Fraction by Wt: 35.53%

Other REC Limits:NONE SPECIFIED

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

RT

ECS #:XP7320000
Fraction by Wt: 63.5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9192

Ingred Name:SILVER (SARA III)
CAS:7440-22-4
RTECS #:VW3500000
Other REC Limits:NONE SPECIFIED
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
Fraction by Wt: 0.25%
Other REC Limits:NONE SPECIFIED

Ingred Name:ANTIMONY (SARA III)
CAS:7440-36-0
RTECS #:CC4025000
Fraction by Wt: 0.50%
Other REC Limits:N
ONE SPECIFIED
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
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.1 MG/M3
ACGIH TLV:0.1 MG/M3; 9192

Ingred Name:ROSIN ACID
CAS:8050-09-7
Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:ORAL LD50 (RATS) > 5000 MG/KG (ROSIN)
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Car

cinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:MOLTEN SOLDER ALLOYS DO NOT PRODUCE SIGNIFICANT LEAD FUME BELOW 700F. EXPOSURE TO HIGH LEVELS OF AIRBORNE OR INGESTED LEAD MAY PRODUCE SYMPTOMS OF ANEMIA, INSOMINIA, WEAKNESS, CONSTIPATION, NAUSEA & ABDOMINAL PAIN. PROLONGED EXPOSURE MAY RESULT IN KIDNEY & NERVOUS SYSTEM INVOLVEMENT. PREGNANT WOMEN SHOULD AVOID LEAD.

Explanation of Carcinogenicity:NOT LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.

Eff

ects of Overexposure:LOSS OF APPETITE, METALLIC TASTE IN THE MOUTH, ANXIETY, CONSTIPATION, NAUSEA, PALLOR, EXCESSIVE TIREDNESS, WEAKNESS, INSOMNIA, HEADACHE, NERVOUS IRRITABILITY, MUSCLE AND JOINT SORENESS, TREMORS, DIZZI NESS, AND ABDOMINAL PAIN. WHEN HEATED, FUMES MAY CAUSE EYE, SKIN & RESPIRATORY TRACT IRRITATION. SOLDER CAN CAUSE BURNS.

Medical Cond Aggravated by Exposure:DISEASES OF THE BLOOD-FORMING, NERVOUS, URINARY, RESPIRATORY AND REPRODUCTIVE SYSTEMS. EXPOSURE T O LEAD MAY RESULT IN INJURY TO A DEVELOPING FETUS.

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

First Aid:IF A PERSON BREATHE IN A LARGE AMOUNT OF ROSIN FUME, REMOVE FROM EXPOSURE. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN AND CALL A PHYSICIAN. IF LEAD HAS BEEN INGESTED, IMMEDIATELY CALL A PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. FOR EYE BURNS, FLUSH IMMEDIATELY WITH COOL WATER AND OBTAIN MEDICAL AID. FOR SKIN BURNS, COOL WITH WATER AND OBTAIN MEDICAL AID.

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

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:NONE

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HIGHLY TOXIC FUMES FROM LEAD.

===== Accidental Relea

se Measures =====

Spill Release Procedures:SOLID AT ROOM TEMPERATURE. IF IN MOLTEN STATE, ALLOW TO COOL AND SOLIDIFY AND THEN SCRAPE UP. VACUUM UP SMALL PARTICLES. NEVER USE ANY METHOD WHICH WILL GENERATE DUST.

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

Handling and Storage Precautions:NO SPECIAL REQUIREMENTS FOR STORAGE. READ ALL CONTAINER LABELING. FOOD AND DRINK SHOULD NOT BE CONSUMED OR TOBACCO PRODUCTS USED WHERE SOLDER IS USED.

Othe
r Precautions:AVOID CONTACT WITH FUMES AND DUST.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR LEAD, IF EXPOSURES EXCEED THE OSHA LIMIT. 0.03 MG/M3 - HALF MASK; 2.5 MG/M3 - FULL FACE MASK; 50 MG/M3 - SELF-SUSTAINED RESPIRATORY SUIT.
Ventilation:USE ENOUGH VENTILATION (GENERAL/LOCAL) TO KEEP THE FUMES FROM THE WORKERS BREATHING ZONE & BELOW PEL. HEPA FILTERS REQD.
Protective Gloves:LEATHER GLOVES
Eye
Protection:SAFETY GOGGLES OR FACE SHIELD
Other Protective Equipment:AS REQUIRED TO AVOID CONTACT.
Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING OR SMOKING. LAUNDR CONTAMINATIED CLOTHING BEFORE REUSE. FOLLOW GOOD HYGIENIC PRACTICES.

Supplemental Safety and Health
EXPOSURE TO LEAD IS REGULATED BY OSHA 1910.1025

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

HCC:T4
Vapor Pres:0
Solubility in Water:NEGLIGIBLE
Appearance and Odor:SILVER-GRAY METAL WIRE, ODORL
ESS, 0.020 INCHES
DIAMETER.
Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS AND STRONG MINERAL ACIDS.
Stability Condition to Avoid:NONE
Hazardous Decomposition Products:THE SMOKE FROM A SOLDERING OPERATION MAY INCLUDE CARBON MONOXIDE, ABIETIC ACID, ALIPHATIC ALDEHYDES & DITERPENE ACIDS.

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

Waste Dispo

sal Methods:RECLAIM ALLOY OR DISPOSE OF IN ACCORDANCE WITH
FEDERAL, STATE & LOCAL LAWS AND REGULATIONS.

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