

FLOWSOLDER ALLOYS

MSDS Number

BHBTY

National Stock Number

3439-01-009-6254

Product Name

FLOWSOLDER ALLOYS

Manufacturer

FEDERATED FRY METALS INC

Product Identification

Product ID: FLOWSOLDER ALLOYS

MSDS Date: 09/30/1988

FSC: 3439

NIIN: 01-009-6254

MSDS Number: BHBTY

Responsible Party

FEDERATED-FRY METALS INC

6TH AVE & 41ST STREET

ALTOONA, PA 16602

Emergency Phone: 814-946-1611

Info Phone: 814-946-1611

Preparer: KEVIN WILLIAMS/DAN WEAVER

Cage: 65172

Contractor

FRY TECHNOLOGY DIV OF COOKSON AMERICA INC

ALTOONA, PA 16602

US

814-946-1611

Cage: 65172

Ingredients

TIN

CAS: 7440-31-5

RTECS: XP7320000

Fraction By Weight: 0-100%

OSHA PEL2 MG/M3

ACGIH TLV: 2 MG/M3; 9192

LEAD (SARA III)

CAS: 7439-92-1

RTECS: OF7525000

Fraction By Weight: 0-100%

OSHA PEL0.05 MG/M3; 1910.1025

ACGIH TLV: 0.15 MG/M3; DUST 9192

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

ANTIMONY (SARA III)

CAS: 7440-36-0

RTECS: CC4025000

Fraction By Weight: 0-15%

OSHA PEL0.5 MG/M3

ACGIH TLV: 0.5 MG SB/M3; 9192

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

BISMUTH (.5% PER CTDF)

CAS: 7440-69-9

RTECS: EB2600000

Fraction By Weight: 0-60%

SILVER (SARA III)

CAS: 7440-22-4

RTECS: VW3500000

Fraction By Weight: 0-10%

OSHA PEL0.01 MG/M3

ACGIH TLV: 0.1 MG/M3; 9192

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

Hazards

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:BY FAR THE GREATEST HEALTH HAZARD IS
INHALATION OF FUMES PRODUCED DURING USE OF THE PRODUCT.IN A
SOLDERING OPERATION. CONTACT RESULTS IN THERMAL BURNS. INGESTION IS
NOT LIKELY.

Explanation of Carcinogenicity:HMIS FOUND REFERENCE WHERE IARC LISTS
LEAD AS GROUP 2B.NTP LIST LEAD COMPOUNDS, NOT LEAD ITSELF.

Effects of Overexposure:EYES/SKIN: THERMAL BURNS FROM CONTACT WITH
MOLTEN SOLDER,OR DERMATITIS/IRRITATION ROM FUMES. INHALED:
RESPIRATORY IRRITATION,NAUSEA,DIZZINESS. ABOVE 900F,LEAD FUME
POISONING MAY PRODUCE ANEMIA,INSOMNI A,WEAKNESS,NAUSEAABDOMINAL
PAIN,KIDNEY & NERVOUS SYSTEM DISORDERS. INGESTED:NOT LIKELY.

Medical Cond Aggravated by Exposure:NONE STATED BY MFR

First Aid

First Aid:SKIN/EYE: BURNS,FLUSH WITH WATER & IF SEVERE,GET MEDICAL
ATTENTION. IRRITATION /DERMATITIS,REMOVE FOM EXPOSURE,GET MEDICAL
ATTENTION. INHALED: REMOVE TO FRESH AIR, CONSULT A PHYSICIAN.
INGESTED: CALL POISON CONTROL CENTER IMMEDIATELY.

Fire Fighting

Flash Point:NONE

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR SELF CONTAINED BREATHING APPARATUS WITH

FULL PROTECTIVE CLOTHING.
Unusual Fire/Explosion Hazard:AT ELEVATED TEMPERATURES,MAY EMIT HIGHLY TOXIC FUMES(ESPECIALLY LEAD)

Accidental Release

Spill Release Procedures:COOL TO SOLIDIFY THEN SCRAPE UP. BEWARE OF FIRES CAUSED BY MOLTEN METAL,SPARKS,ETC.
Neutralizing Agent:NONE

Handling

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

Exposure Controls

Respiratory Protection:WEAR NIOSH METAL FUME RESPIRATOR IF EXPOSURE EXCEEDS TLV.
Ventilation:PROVIDE GENERAL OR LOCAL EXHAUST TO MAINTAIN EXPOSURES BELOW TLV.
Protective Gloves:MFR:NONE HMIS:PROTECT FROM THERMAL BURNS
Eye Protection:GOGGLES OR SAFETY GLASSES
Other Protective Equipment:NONE NORMALLY NEEDED.
Work Hygienic Practices:USE NORMAL CHEMICAL HYGIENE PRACTICES.(WASH BEFORE EATING,DRINKING,SMOKING. DO NOT EAT,DRINK,SMOKE IN AREA OF USE.)
Supplemental Safety and Health
MSDS IS FROM MFR'S GENERIC DATA. INGREDIENTS ARE TAKEN FROM CTDF.

Chemical Properties

HCC:N1
Boiling Pt:B.P. Text:360-620F
Spec Gravity:7.0-11.0
Solubility in Water:INSOLUBLE
Appearance and Odor:SILVER-GRAY METAL,ODORLESS.

Stability

Stability Indicator/Materials to Avoid:YES
STRONG ACIDS,OXIDIZERS,REDUCING AGENTS,HALOGENS.
Stability Condition to Avoid:NONE
Hazardous Decomposition Products:FUMES OF THE METAL COMPONENTS(ESPECIALLY LEAD).

Disposal

Waste Disposal Methods:DISPOSE I/A/W FEDERAL,STATE,LOCAL REGULATIONS.
ALLOY PORTION IS RECLAIMABLE.

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