

AG-CU-ZN-SN BRAZING ALLOY - SILVALOY A-40T

MSDS Number

BNVMS

National Stock Number

3439-00N031395

Product Name

AG-CU-ZN-SN BRAZING ALLOY - SILVALOY A-40T

Manufacturer

ENGELHARD CORP

Product Identification

Product ID:AG-CU-ZN-SN BRAZING ALLOY - SILVALOY A-40T

MSDS Date:07/01/1986

FSC:3439

NIIN:00N031395

MSDS Number: BNVMS

Responsible Party

ENGELHARD CORP

ROUTE 152

PLAINVILLE , MA 02762

US

Emergency Phone: 617-695-7811

Info Phone: 617-695-7811

Cage: ENGEL

Contractor

ENGELHARD CORP

SOLON, OH 44139

US

216-292-9200

Cage: ENGEL

Ingredients

SILVER (AG) (SARA III)

CAS: 7440-22-4

RTECS: VW3500000

Fraction By Weight: 40%

OSHA PEL0.01 MG/M3

ACGIH TLV: 0.1 MG/M3

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

COPPER (CU) (SARA III)

CAS: 7440-50-8

RTECS: GL5325000

Fraction By Weight: 30%

OSHA PEL0.1MG/M3 FUME;1 DUST
ACGIH TLV: 0.2MG/M3 FUME;1 DUST
EPA Report Quantity: 5000 LBS
DOT Report Quantity: 5000 LBS

ZINC (ZN) (SARA III)
CAS: 7440-66-6
RTECS: ZG8600000
Fraction By Weight: 28%
OSHA PEL10 MG/M3 (ZNO) TDUST
ACGIH TLV: 10 MG/M3 (ZNO) TDUST
EPA Report Quantity: 1000 LBS
DOT Report Quantity: 1000 LBS

TIN (SN)
CAS: 7440-31-5
RTECS: XP7320000
Fraction By Weight: 2%
OSHA PEL2 MG/M3
ACGIH TLV: 2 MG/M3

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EXCESSIVE INHALATION OF DUST OR FUMES CAN PRODUCE IRRITATION AND INFLAMMATION OF RESPIRATORY TRACT AND LUNG TISSUE, CAUSING PULMONARY EDEMA, BRONCHITIS, PNEUMONITIS, ETC. CHRONIC EXPOSURE CAN PRODUCE KIDNEY DAMAGE AND EMPHYSEMA; ACUTE OVEREXPOSURE CAN BE FATAL.
Explanation of Carcinogenicity:NOT RELEVANT
Effects of Overexposure:INGESTION AND INHALATION WILL CAUSE VOMITING, DIARRHEA, HEADACHE, DIZZINESS, FEVER, CHEST PAINS AND BREATHLESSNESS.
Medical Cond Aggravated by Exposure:RESPIRATORY AILMENTS.

First Aid

First Aid:INHAL:REMOVE VICTIM OF EXCESSIVE FUME EXPOS FROM HEATED ALLOY TO FRESH AIR. RESTORE AND/OR SUPPORT BRTHG AS NEEDED. HAVE TRAINED PERS ADMINISTER O2 IF BRTHG IS DIFFERENT. KEEP WARM & AT REST.
CONTACT MD. INGEST: CALL MD IMMEDIATELY .EYES: IMMEDIATELY FLUSH W/POTABLE WATER FOR A MINIMUM OF 15 MINUTES, SEEK ASSISTANCE FROM MD . SKIN: FLUSH W/COPIOUS AMOUNTS OF WATER. CALL MD .

Fire Fighting

Extinguishing Media:THIS IS A NONFLAMMABLE MATERIAL. USE EXTINGUISHERS WHICH ARE APPROPRIATE FOR THE SURROUNDING FIRE.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .
Unusual Fire/Explosion Hazard:TOXIC FUMES AND VAPORS CAN BE EMITTED FROM THIS METAL ALLOY IF HEATED TO MOLTEN CONDITION IN A FIRE SITUATION.

Accidental Release

Spill Release Procedures:NO PROBLEMS KNOWN IN COLLECTION OF ALLOY

(WIRE, ROD OR STRIP FORMS FOR EXAMPLE) FOR USE, RECLAIM OR SCRAP.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:STORE CAREFULLY IN A CLEAN, DRY PLACE
TO PREVENT CONTAMINATION. KEEP AWAY FROM STRONG OXIDIZING AGENTS.
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

Exposure Controls

Respiratory Protection:IN CONFINED AREAS, NIOSH/MSHA APPROVED AIR-
SUPPLIED OR SCBA IS REQUIRED BY WORKERS IF VENTILATION IS NOT
ADEQUATE.
Ventilation:PROVIDE GENERAL AND LOCAL EXHAUST VENTILATION WITH FILTER.
MAINTAIN AIR FLOW OF 100 LFM IN BRAZING ZONE.
Protective Gloves:NOT RECOMMENDED.
Eye Protection:CHEMICAL WORKERS GOGGLES .
Other Protective Equipment:WEAR NONFLAMMABLE PROTECTIVE CLOTHING FOR
TORCH BRAZING.
Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTURER.

Chemical Properties

HCC:N1
Melt/Freeze Pt:M.P/F.P Text:1200F,649C
Vapor Pres:NEGLIGIBLE
Spec Gravity:4.5-5
Solubility in Water:INSOLUBLE
Appearance and Odor:METALLIC WIRE, ROD OR STRIP. NO ODOR.

Stability

Stability Indicator/Materials to Avoid:YES
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:ZINC VAPORS WHILE BRAZING.
Conditions to Avoid Polymerization:AVOID OVERHEATING WHILE BRAZING TO
MINIMIZE ZINC VAPORIZATION.

Disposal

Waste Disposal Methods:CONSIDER POSS RECLAIM VALUE. SCRAP ALLOY CAN BE
DISPOSED OF THRU A LICENSED WASTE DISP COMPANY, I/A/W FEDERAL,
STATE AND LOCAL REGULATIONS. THE SAFE DISPOSAL OF COLLECTED FUME
PARTICULATE FROM THE EXH AUST VENTILATION SYSTEM MUST ALSO BE
CONSIDERED.

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