

ENGELHARD CORP, SPECIALTY METALS DIV -- A-56T, AG-CU-ZN-SN-BRAZING ALLOY-SILVALOY 355 -- 3439-01-045-9144

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

Product ID:A-56T, AG-CU-ZN-SN-BRAZING ALLOY-SILVALOY 355

MSDS Date:07/01/1986

FSC:3439

NIIN:01-045-9144

MSDS Number: BGHNY

=== Responsible Party ===

Company Name:ENGELHARD CORP, SPECIALTY METALS DIV

Address:235 KILVERT ST

City:WARWICK

State:MA

ZIP:02886

Coun

try:US

Info Phone Num:800-225-2130

Emergency Phone Num:617 695 7811

CAGE:5L413

=== Contractor Identification ===

Company Name:ENGELHARD CORP

Address:235 KILVERT ST

Box:City:WARWICK

State:RI

ZIP:02886

Country:US

Phone:401-739-9550

CAGE:86337

Company Name:ENGELHARD CORP, SPECIALTY CHEMICALS DIV.

Address:1 W CENTRAL AVE.

City:EAST NEWARK

State:NJ

ZIP:07029-2809

Country:US

Phone:201-268-7844 (DAY)

CAGE:5L413

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

Ingred Name:SILVER (S

ARA III)
CAS:7440-22-4
RTECS #:VW3500000
Fraction by Wt: 56%.
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:COPPER (SARA III)
CAS:7440-50-8
RTECS #:GL5325000
Fraction by Wt: 22%.
OSHA PEL:0.1MG/M3 FUME/1 DUST
ACGIH TLV:0.2MG/M3 FUME; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ZINC (SARA III)
CAS:7440-66-6
RTECS #:ZG8600000
Fraction by Wt: 17%
OSHA PEL:10 MG ZNO/M3
ACGIH TLV:10 MG ZNO/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LB
S

Ingred Name:TIN
CAS:7440-31-5
RTECS #:XP7320000
Fraction by Wt: 5%.
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9192

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
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, CA

USING PULMONARY EDEMA, BRONCHITIS, PNEUMONITIS, ETC.

CHRONIC EXPOSURE CAN PRODUCE KIDNEY DAMAGE AND EMPHYSEMA; ACUTE OVEREXPOSURE CAN BE FATAL.

Effects of Overexposure:INGESTION AND INHALATION WILL CAUSE VOMITING, DIARRHEA, HEADACHE, DIZZINESS, FEVER, CHEST PAINS AND BREATHLESSNESS.

Medical Cond Aggravated by Exposure:RESPIRATORY AILMENTS

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

First Aid:INHALATION: REMOVE VICTIM OF EXCESSIVE FUME EXPOSURE FROM THE

HEATED ALLOY TO FRESH AIR. RESTORE AND/OR SUPPORT BREATHING AS NEEDED. HAVE TRAINED PERSON ADMINISTER OXYGEN IF BREATHING IS DIFFERENT. KE EP WARM AND AT REST. CONTACT PHYSICIAN.

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

Flash Point:NONE

Extinguishing Media:THIS IS A NONFLAMMABLE MATERIAL. USE EXTINGUISHERS WHICH ARE APPROPRIATE FOR THE SURROUNDING FIRE

Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.

Unusual Fire/Explosion Hazard:TOX.FUMES A
ND VAPORS CAN BE EMITTED FROM

THIS METAL ALLOY IF HEATED TO MOLTEN CONDITION IN A FIRE SITUATION.

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

Spill Release Procedures:NO PROBLEM KNOWN IN COLLECTION OF ALLOY (WIRE, ROD OR STRIP FORMS FOR EXAMPLE) FOR USE, RECLAIM OR SCRAP.

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

Handling and Storage Precautions:STORE CAREFULLY IN A CLEAN, DRY PLACE TO PREVENT CONTAMINATION. KEEP AWAY FROM STRONG OXIDIZING AGENTS.

Other Precautions:PROVIDE GENERAL AND LOCAL EXHAUST VENTILATION WITH FILTER. MAITAIN AIR FLOW OF 100 LFM IN BRAZING ZONE.

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

Respiratory Protection:IN CONFINED AREAS, APPROVED AIR-SUPPLIED OR SELF-CONTAINED BREATHING EQUIPMENT IS REQUIRED BY WORKERS IF VENTILATION IS NOT ADEQUATE.

Ventilation:GENERAL & LOCAL EXHAUST WITH FILTER

Protective Gloves:NOT RECOMMENDED

Eye Protection:SAFETY GLASSES

Other Pro

Protective Equipment:WEAR NONFLAMMABLE PROTECTIVE CLOTHING FOR TOUCH BRAZING.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health
NONE

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

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:1200F,649C

Vapor Pres:NEGLIGIBLE

Spec Gravity:4.75

Solubility in Water:NEGLIGIBLE

Appearance and Odor:METALLIC WIRE, ROD OR STRIP. NO ODOR

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

Stability Indicator

Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

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 Considerations =====

Waste Disposal Methods:CONSIDER POSSIBLE RECLAIM VALUE. SCRAP ALLOY CAN BE DISPOSED OF THROUGH A LICENSED WASTE DISPOSAL COMPANY, IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. SAFE DISPOSAL OF PARTICULATE FROM THE EXHAUST VENTILATION SYSTEM MUST BE CONSIDERED.

CONSIDERED.

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