

ENGLEHARD INDUSTRIES DIV,ENGLEHARD MINERALS&CHEM -- SILVALOY A-56T --  
3439-00-968-3557

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Product Identification  
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Product ID:SILVALOY A-56T

MSDS Date:03/30/1992

FSC:3439

NIIN:00-968-3557

MSDS Number: BZPJL

=== Responsible Party ===

Company Name:ENGLEHARD INDUSTRIES DIV,ENGLEHARD MINERALS&CHEM

Address:(REPL CAGE:86337)

City:PLAINVILLE

State:MA

ZIP:02762

Country:US

Info Phone Num:508-695-78

11

Emergency Phone Num:800-424-9300(CHEMTREC)

CAGE:6T167

=== 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:ENGLEHARD INDUSTRIES DIV,ENGLEHARD MINERALS&CHEM

Address:(REPL CAGE:86337)

Box:City:PLAINVILLE

State:MA

ZIP:02762

Country:US

Phone:508-695-7811

CAGE:6T167

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Composition/Information on Ingredients  
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Ingred Name:SILVER (SARA 313) (CERCLA)

CAS

:7440-22-4  
RTECS #:VW3500000  
Fraction by Wt: 56%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.01 MG/M3  
ACGIH TLV:0.1 MG/M3; 9596  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:COPPER (SARA 313) (CERCLA)  
CAS:7440-50-8  
RTECS #:GL5325000  
Fraction by Wt: 22%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.1MG/M3 FUME/1 DUST  
ACGIH TLV:0.2 MG/M3 FUME; 9596  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ZINC (SARA 313) (CERCLA) (AS OXIDE)  
CAS:7440-66-6  
RTECS #:ZG8600000  
Fraction by Wt: 17%  
Other R  
EC Limits:NONE RECOMMENDED  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:TIN  
CAS:7440-31-5  
RTECS #:XP7320000  
Fraction by Wt: 5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:2 MG/M3  
ACGIH TLV:2 MG/M3; 9596

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:MAY CAUSE EYE/SKIN/RESP

TRACT IRRIT

FROM TOXIC METAL FUMES RELEASED IN FIRE SITUATION.PROL/REP CONTACT W/DUST MAY RESULT IN ARGYRIA(DISCOLORATION)OF EYE/SKIN/RESP TRACT. EYE/SKIN CONTACT MAY CAUSE IRR IT. INHAL:IRRIT RESP TRACT.SHORT-TERM OVEREXPO FLU-LIKE ILLNESS(METAL FUME FEVER).INGEST:CU POIS.HEALTH EFFECTS (SUPPLE)

Explanation of Carcinogenicity:PER

MSDS:CARCINOGENICITY:NTP/IARC/OSHA:NO.

Effects of Overexposure:METALLIC TASTE,DRYNESS,IRRIT OF THROAT.COUGH,SHORTNESS OF BREATH W/HEADA

CHE,FATIGUE,NAUSEA,VOMITING,MUSCLE & JOINT

PAIN,FEVER,CHILLS.METAL FUME FEVER SYNDROME RUNS ITS COURSE 24-48HRS. CHRONIC:PROL/EX CESSIVE EXPO MAY RESULT IN ARGYRIA(DISCOLORATION)OF EYE,SKIN,RESP TRACT. BENIGN PNEUMOCONIOSIS.

Medical Cond Aggravated by Exposure:MAY AGGRAVATE EXISTING RESPIRATORY &/OR SKIN AILMENTS. INDIVIDUALS W/WILSON/S DISEASE ARE AT INCREASED RISK OF COPPER (CU) POISONING.

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

First Aid:

EYE:FLUSH W/PLENTY OF WATER.IRRIT DEVELOPS CALL PHYSICIAN. SKIN:FLUSH W/PLENTY OF WATER.IRRIT PERSISTS CALL PHYSICIAN. INHAL:EXPO TO EXCESSIVE LEVELS OF METAL FUMES REMOVE TO FRESH AIR & SEEK MED ATTN . INGEST:PROCEDURES NORMALLY NOT NEEDED.IF LG QUANTITIES ARE INGESTED SEEK MED ADVICE.

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

Autoignition Temp:Autoignition Temp Text:NA

Lower Limits:NA

Upper Limits:NA

Extinguishing Media:USE CARBON DIOXIDE, CHEM FOAM OR DRY CHEMICAL. USE

ANY MEANS FOR EXTINGUISHING SURROUNDING FIRE.

Fire Fighting Procedures:WEAR POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS

Unusual Fire/Explosion Hazard:NOT FIRE/EXPLO HAZ IN SOLID FORM.FINELY DIVIDED DUST MAY IGN/BURN RAPIDLY WHEN MIX W/AIR IN PROPER PROPORTION.TOXIC METAL FUMES MAY BE RELEASE IN FIRE SITUATION

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

Spill Release Procedures:CONTAIN/SCOOPUP/VAC.NOTIFICATION OF NAT RESP

CNTR 800-424-8802 MAY BE REQUIRED;REFER TO EPA/DOT/APPLICABLE  
REGS.RECOMMEND EA USER ESTABLISH SPCC INCLUDE STORAGE/CNTRL/SPILL  
CLEANUP/DISPO/REUSE.

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Handling and Storage  
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Handling and Storage Precautions:STORE IN COOL DRY LOCATION AWAY FROM  
INCOMPATIBLE MATLS.AVOID CONTACT W/DUST/MIST/FUMES RESULTING FROM  
USE OF PRODUCT.USE ONLY W/ADEQUATE VENTILATION.

Other Precautions:DO NOT EAT/DRINK/SMOKE IN WORKAREA.PERSONNEL SMPL  
PROCEDU

RE:METALLIC COMPONENTS:SEE NIOSH MANUAL OF ANALYTICAL  
METHODS 3RD ED,VOL1,METHOD 7300.

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Exposure Controls/Personal Protection  
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Respiratory Protection:A NIOSH/MSHA APPROVED DUST RESP IS RECOMMENDED  
IF DUST IS GENERATED.

Ventilation:GENERAL;LOC EXHAU VENTILATION AS NECESSARY TO CONTROL ANY  
AIR CONTAMINANTS TO W/IN TLVS DURING USE OF PRODUCT.

Protective Gloves:NONE SPECIFIED BY MANUFACTURER.

Eye Protection:SAFETY GLASSES (W/SIDE SHIELDS).

Other Protective E

quipment:REFER:ANSI/ASC Z49.1-88 FRM AMER WELD SOC  
FOR FURTHER INFO OF PPE SELECTION.BODY PROT AS NECESSARY TO PREVENT  
SKIN CONTA

Work Hygienic Practices:WASH THOROUGHLY AFT HNDLG.

Supplemental Safety and Health

HEALTH HAZ:ONLY APPLY IF DUST/FUME IS FORMED.CHRONIC:ARGYRIA,INHAL MAY  
CAUSE BENIGN PNEUMOCONIOSIS. DISPO:CONTAINS TOXIC CHEM SUBJ TO  
REPORTING REQMTS OF SEC 313 TITLE III SARA/40CFR372:SILVER 56%;COP  
PER 22%;ZINC AS OXIDE 17%.

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Physical/Chemical P  
roperties  
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HCC:N1

Boiling Pt:B.P. Text:ND

Melt/Freeze Pt:M.P/F.P Text:1134F,612C

Decomp Temp:Decomp Text:NP

Vapor Pres:NA

Vapor Density:NA

Spec Gravity:9.42

pH:NA

Viscosity:NA

Solubility in Water:INSOLUBLE.

Appearance and Odor:METALLIC WIRE,ROD OR STRIP; ODORLESS

Percent Volatiles by Volume:NP

Corrosion Rate:NP

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Stability and Reactivity Data  
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Stability Indicator/Materials to Avoid:YES

STRONG ACIDS/BASES,HC=CH,NH3,H2O2,CL,BR,I,TURPENTINE,M

G METAL,AMMONIUM

NITRATE,HYDROGEN SULFIDE,CHLORINATED RUBBER.

Stability Condition to Avoid:NONE EXPECTED.

Hazardous Decomposition Products:TOXIC METAL OXIDES ARE EMITTED WHEN HEATED >MELT PT.AMT OF FUME EVOLVED INCR AS TEMPERATURE RISES.

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

Waste Disposal Methods:EPA WASTE#:D011.CONTAINS AG/AG CMPDS.DISPOSAL REG UNDER EPA HAZ WASTE REGS.BEF DISPO TEST PROD/MIXTC UNDER EPA HAZ WASTE REG TCLP TEST PROCE 40CFR261.DIS

PO/RECYCL/RECLAMA REQMTS

VARY BY LOCATION/TYPE OF DISPO SELECTED.CONSULT STATE/LOC/FEDREGS.(SUP)

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