

ENGLEHARD CORP. SPECIALTY METALS DIV. -- SILVALOY A-56T -- 3439-01-047-4141

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

Product ID:SILVALOY A-56T

MSDS Date:09/22/1992

FSC:3439

NIIN:01-047-4141

Kit Part:Y

MSDS Number: BPRMZ

=== Responsible Party ===

Company Name:ENGLEHARD CORP. SPECIALTY METALS DIV.

Address:235 KILVERT ST

City:WARWICK

State:RI

ZIP:02886

Country:US

Info Phone Num:401-739-9550

Emergency Phon

e Num:401-739-9550 800-424-9300(CHEMTREC)

CAGE:86337

=== Contractor Identification ===

Company Name:COORDINATED WESTERN INC

Address:2968 TEAGARDEN ST

Box:City:SAN LEANDRO

State:CA

ZIP:94977

Country:US

Phone:510-895-8585

CAGE:0U0J2

Company Name:ENGELHARD CORP

Address:235 KILVERT ST

Box:City:WARWICK

State:RI

ZIP:02886

Country:US

Phone:401-739-9550

CAGE:86337

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

Ingred Name:SILVER (SARA III)

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; 9293  
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%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.1MG/M3 FUME/1 DUST  
ACGIH TLV:0.2MG/M3 FUME; 9293  
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%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 MG ZNO/M3  
ACGIH TLV:10 MG ZN  
O/M3; 9293  
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; 9293

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:HAZARDS CITED ARE FOR FUMES.EYES:MAY  
CAUSE IRRITATION.SKIN:MAY CAUSE IRRITATION.INHAL:

**MAY CAUSE**

IRRITATION OF THE RESPIRATORY TRACT.INGEST:MAY CAUSE COPPER POISONING.CHRONIC:MAY RESULT IN ARGYRIA(DISC OLOURATION OF THE SKIN,EYES OR RESPIRATORY TRACT).INHAL:MAY CAUSE BENIGN PNEUMOCONIOSIS.

Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Effects of Overexposure:INHAL:METAL FUME FEVER(FLU-LIKE ILLNESS WHICH BEGINS 12 HOURS AFTER EXPOSURE.FIRST SYMPTOMS AREMETALLIC TASTE,DRYNESS AND IRRITATION OF THE THROAT,THEN COUGH,SHORTNESS OF BREATH,JOINT PAIN,FEVER AND C HILLS.THE SYMPTOMS LAST FOR 24-48 HOURS.)

Medical Cond Aggravated by Exposure:MAY AGGRAVATE EXISTING RESPIRATORY/SKIN DISEASES. PERSONS WITH WILSON'S DISEASE ARE AT INCREASED RISK OF COPPER POISONING.

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

First Aid:EYES:FLUSH WITH WATER.IF IRRITATION PERSISTS,CALL PHYSICIAN.SKIN:FLUSH WITH WATER.IF IRRITATION PERSISTS,CALL PHYSICIAN.INHAL:REMOVE TO FRESH AIR,SEEK MEDICAL ATTENTION.INGEST:NOT NORMALLY NEEDED.IF L ARGE QUANTITIES ARE INGESTED,SEEK MEDICAL ATTENTION.

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

Flash Point:NONE  
Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, OR CHEMICAL FOAM. MEDIA APPROPRIATE FOR SURROUNDING FIRE.  
Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.  
Unusual Fire/Explosion Hazard:TOXIC FUMES MAY BE RE LEASED IN A FIRE. FINELY DIVIDED DUST MAY IGNITE AND BURN RAPIDLY WHEN MIXED AT PROPER PROPORTIONS WITH AIR.

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

Spill Release Procedures:SCOOP UP OR VACUUM;PLACE IN A CONTAINER FOR DISPOSAL.SPILL NOTIFICATION MAY BE REQUIRED;800-424-8802.  
Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A COOL, DRY AREA AWAY FROM INCOMPATIBLE MA

TERIALS. USE ONLY WITH ADEQUATE VENTILATION.

Other Precautions:DO NOT EAT, DRINK, OR SMOKE IN WORK AREA. AVOID CONTACT WITH ANY DUSTS, MISTS, OR FUMES RESULTING FROM USE OF THIS PRODUCT.

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

Respiratory Protection:IF DUST IS GENERATED, USE NIOSH/MSHA APPROVED RESPIRATOR WITH DUST CARTRIDGE.

Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV/PEL.

Protective Gloves:WELDERS (ANSI ASC Z49.1-88)

Eye Protection:WELDERS LENSES (ANSI ASC Z49.1-88)

Other Protective Equipment:BODY PROTECTION TO PREVENT SKIN CONTACT.

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.

Supplemental Safety and Health  
NONE

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

HCC:N1

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

Spec Gravity:9.42

Solubility in Water:INSOLUBLE

Appearance

and Odor:METALLIC WIRESTRIP OR ROD

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

Stability Indicator/Materials to Avoid:YES  
STRONG

ACIDS,BASES,ACETYLENE,NH3,H2O2,CL,BR,I,TURPENTINE,MG,NH4NO3,H2S,CHLORINATED RUBBER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:TOXIC METAL OXIDE FUMES

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

Waste Disposal Methods:EPA CODE-D011.DISPOSE OF IN ACCORDANCE W

ITH

LOCAL, STATE AND FEDERAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.