

ENGLEHARD CORP. SPECIALTY METALS DIV. -- SILVALOY 15 -- 3439-00-188-6982

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Product Identification
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Product ID:SILVALOY 15

MSDS Date:10/17/1991

FSC:3439

NIIN:00-188-6982

MSDS Number: BDHKX

=== Responsible Party ===

Company Name:ENGLEHARD CORP. SPECIALTY METALS DIV.

Address:ROUTE 152

City:PLAINVILLE

State:MA

ZIP:02762

Country:US

Info Phone Num:508-695-7811

Emergency Phone Num:508-695-7811

CAGE:86337

=== 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

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

CAS:7440-22-4

RTECS #:VW3500000

Fraction by Wt: 15%.

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: 80%.

OSHA PE

L: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:PHOSPHOROUS (YELLOW) (SARA III)
CAS:7723-14-0
RTECS #:TH3500000
Fraction by Wt: 5%.
OSHA PEL:0.1 MG/M3
ACGIH TLV:0.1 MG/M3; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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===== 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:EYE AND SKIN C
CONTACT- MAY CAUSE

IRRITATION. INHALATION- CAUSES IRRITATION AND MAY CAUSE SYSTEMIC TOXICITY. INGESTION- MAY CAUSE COPPER POISONING. CHRONIC: PROLONGED OVEREXPOSURE TO PHOSPHORUS CAN CAUSE GASTROINTESTINAL DISTRESS, NECROSIS AND DEFORMITY OF THE JAW. SYSTEMIC: CARDIAC, LIVER AND KIDNEY DYSFUNCTION.

Effects of Overexposure:INHALATION OF FUMES MAY CAUSE METAL FUME FEVER. MAY TAKE 4 TO 12 HOURS AFTER SUFFICIENT EXPOSURE TO DEVELOP SYMPTOMS. THE FIRST SYMPTOMS ARE A METAL

LLIC TASTE, DRYNESS AND IRRITATION OF THE THROAT. COUGH AND SHORTNESS OF BREATH MAY OCCUR ALONG WITH FATIGUE, MUSCLE AND JOINT PAIN, FEVER AND CHILLS.

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

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

First Aid:SKIN AND EYES- FLUSH WITH PLENTY OF WATER. IF IRRITATION DEVELOPS, CALL A PHYSICIAN. INHALATION- REMOVE TO FRESH AIR AND SEEK MEDICAL ATTENTION. INGESTION- PROCEDURES NORMALLY NOT NEEDED. IF LARGE QUANTITIES ARE INGESTED, SEEK MEDICAL ATTENTION.

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

Extinguishing Media:EXTINGUISH WITH AGENT SUITABLE FOR SURROUNDING FIRE
Fire Fighting Procedures:WEAR POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:FINELY DIVIDED DUST MAY IGNITE AND BURN RAPIDLY WHEN MIXED WITH

XED WITH AIR IN THE PROPER PROPORTIONS. TOXIC METAL
FUMES MAY BE RELEASED IN A FIRE SITUATION.

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

Spill Release Procedures:CLEAN UP ANY GRINDING DUST OR WASTE RESIDUE
AND PLACE IN SUITABLE DOT APPVD CONT FOR REPROCESSING OR DISPOSAL.

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

Handling and Storage Precautions:STORAGE DOES NOT INVOLVE HAZ.PROTECT
SILVALLOY FROM EXPOSURE TO TARNISHING (OXIDIZING
OR SULPHUR
CONTAINING ATMOSPHERE).

Other Precautions:BRAZING ALLOYS ARE FREQ.USED W/FLUORIDE TYPE FLUX.IF
APPLICABLE FLUX FUME SHOULD BE CONSIDERED IN EVAL.OF HAZ.

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

Respiratory Protection:FUME RESP.OR AIR SUPPL.RESP.IN CONFINED SPACES.

Ventilation:LOCAL EXHAUST.

Protective Gloves:WELDER'S GLOVES

Eye Protection:FACE SHIELD W/FILTR LENS.

Other Protective Equipment:SUBST.DK.CLOTH.,ARM
PROTECTOR,APRON,HAT,SHOULDER PROT
ECTION.

Work Hygienic Practices:AVOID CONTACT WITH ANY DUSTS, MISTS OR FUMES
RESULTING FROM THE USE OF THIS PRODUCT. DO NOT EAT, DRINK, OR SMOKE
IN AREA

Supplemental Safety and Health

MSDS DATED 10-19/84.

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

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:1179F,637C

Solubility in Water:INSOLUBLE

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

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

Stability I

Indicator/Materials to Avoid: YES

STRONG ACIDS AND BASES, OXIDIZING AGENTS, ACETYLENE, AMMONIA, HYDROGEN PEROXIDE, MAGNESIUM METAL, AMMONIUM NITRATE, H₂S.

Stability Condition to Avoid: NONE SPECIFIED.

Hazardous Decomposition Products: TOXIC METAL OXIDES ARE EMITTED WHEN HEATED ABOVE THE MELTING POINT.

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

Waste Disposal Methods: DISPOSE OF IAW LOCAL, STATE & FED REGS.

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