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ENGELHARD CORP -- TIN/ANTIMONY (95/5) SOLDER ALLOY, EI-29777 -- 3439-01-324-0891

Product ID:TIN/ANTIMONY (95/5) SOLDER ALLOY, EI-29777

MSDS Date:10/18/1991

FSC:3439

NIIN:01-324-0891

MSDS Number: BZMXS === Responsible Party ===

Company Name: ENGELHARD CORP

Address:235 KILVERT ST

City:WARWICK

State:RI ZIP:02886 Country:US

Info Phone Num:401-739-9550

Emergency Phone

Num:800-424-9300(CHEMTREC)

CAGE:ENGEL

=== 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

Address:29001 SOLON RD

City:SOLON State:OH ZIP:44139 Country:US

Phone:216-292-9200

CAGE:ENGEL

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

Ingred Name:TIN CAS:7440-31-5

RTECS #:XP7320000 Fraction by Wt: 95% OSHA PEL:2 MG/M3 ACGIH TLV:2 MG/M3

Ing

red Name: ANTIMONY (SARA 313) (CERCLA)

CAS:7440-36-0

RTECS #:CC4025000 Fraction by Wt: 5% OSHA PEL:0.5 MG/M3

ACGIH TLV:0.5 MG (SB)/M3

EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS

Ingred Name:SPILL PROC:PLAN SHOULD INCLUDE PROC APPLIC TO PROPER STOR, CTL & CLEAN-UP OF SPILLS, INCLUDING REUSE/DISP AS (ING 4) RTECS #:9999992Z

Ingred Name:ING 3:APPROP (SEE WASTE DISP METH). NOTE:IN EVENT OF ACCIDENTAL REL OF MATL, SPILL PROC SHOULD BE FOLLOWED. (ING 5) RTECS #:9999992Z

Ingred Name: ING 4: ADD

NLY PROPER EXPOS CTLS & PERS PROT EQUIP SHOULD BE USED (SEE CTL MEASURES) & DISP OF MATL SHOULD BE IN (ING 6) RTECS #:9999999ZZ

Ingred Name: ING 5: ACCORDANCE WITH WASTE DISPOSAL METHOD. RTECS #:9999999ZZ

Ingred Name:WASTE DISP METH:TYPE OF DISP SELECTED. NOTE:CHEM ADDNS, PROCESSING/OTHERWISE ALTERING MATL MAY MAKE WASTE (ING 8) RTECS #:9999992Z

Ingred Name:ING 7:MANAGEMENT INFO PRESENTED INCOMPLETE, INACCURATE/OTHERWISE INAPPROP. AS LOC REGS MAY VARY; ALL WASTE MUST (ING 9)

RT

ECS #:9999999ZZ

Ingred Name:ING 8:BE DISPOSED/RECYCLED/RECLAIMED IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS. RTECS #:9999999ZZ

Ingred Name:OTHER PROT EQUIP:(SFTY IN WELDING & CUTTING) PUBLISHED BY AMERICAN WELDING SOCIETY FOR FURTHER INFO OF SELECTION(ING 11) RTECS #:9999999ZZ

Ingred Name:ING 10:OF PERSONAL PROTECTIVE EQUIPMENT. RTECS #:9999999ZZ

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

LD50 LC50 Mixture: NONE SPECIFIED B

Y MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE CONTACT:MAY CAUSE IRRITATION. SKIN CONTACT:MAY CAUSE IRRITATION. INHALATION:HARMFUL. CAN LEAD TO RESPIRATORY TRACT IRRITATION IF EXPOSURE IS PROLONGED OR EXCESSIVE. INGESTION:IS HARMFUL. CAUSES IR RITATION AND MAY CAUSE SYSTEMIC TOXICITY. NOTE:HLTH EFTS ONLY APPLY IF DUST/FUME IS FORMED. CHRONIC: (EFTS OF OVEREXP)

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xplanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZS:PRLNGD/RPTD INHAL MAY CAUSE LUNG DMG &/OR CNS DISTURBS. INHAL MAY CAUSE BENIGN PNEUMOCONIOSIS. PRLNGD OVEREXP TO ANTIMONY MAY LEAD TO LIVER, KIDNEY & CNS DMG. NOTE:HAZS OF ALL INGS OF PROD A RE NOT KNOWN, HOWEVER EXPOS IS NOT EXPECTED AS PROD IS IN SOLID FORM. TLV & POTNTL HLTH EFTS STATEMENTS ARE (SUPP DATA)

Medical Cond Aggravated by Exposure:MAY AGGRAVATE EXISTING MED CNDTNS SUCH AS RESP &/OR

KIDNEY & LIVER AILMENTS. PERS W/PRE-EXISTING
DISEASES OF CNS MAY HAVE INCR SUSCEPTIBLITY TO TOX OF EXCESSIVE EXPOSURE.

First Aid:EYE:FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION DEVELOPS, CALL A PHYSICIAN. SKIN:FLUSH WITH PLENTY OF WATER. IF IRRITATION PERSISTS, CALL A PHYSICIAN. INHALATION:IF EXPOSED TO EX CESSIVE LEVELS OF METAL FUMES, REMOVE TO FRESH AIR AND SEEK MEDICAL ATTENTI

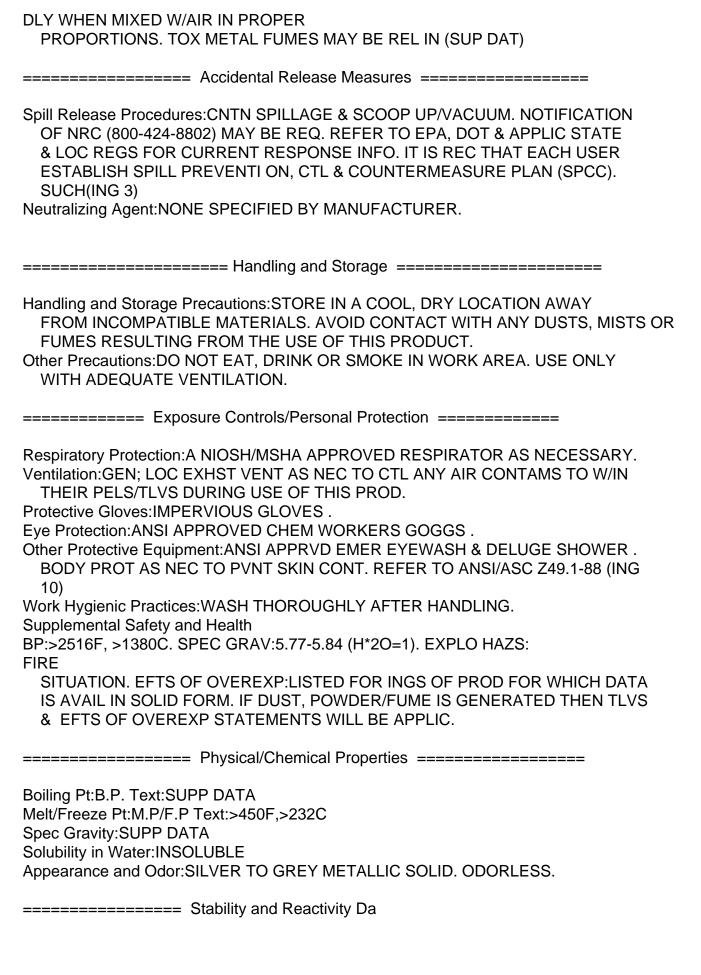
ON. INGESTION:PROCEDURES NORMALLY NOT NEEDED. IF LARGE QUANTITIES ARE INGESTED, SEEK MEDICAL ADVICE.

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

Extinguishing Media: USE CARBON DIOXIDE, CHEMICAL FOAM OR DRY CHEMICAL. USE ANY MEANS FOR EXTINGUISHING SURROUNDING FIRE.

Fire Fighting Procedures: WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:NOT FIRE/EXPLO HAZ IN SOLID FORM. FINELY DIVIDED DUST MAY IGNITE & BURN RAPI



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Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS, ACIDS AND BASES, CHLORINE, TURPENTINE, NASCENT HYDROGEN, REDUCING AGENTS, HALOGENS.

Stability Condition to Avoid: NONE EXPECTED.

Hazardous Decomposition Products:TOXIC METAL OXIDES ARE EMITTED WHEN HEATED ABOVE THE MELTING POINT. AMOUNT OF FUME EVOLVED INCREASES AS TEMP RISES.

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

Waste Disposal Methods:FED, STATE & LOC DISP LAWS & REGS WILL DETERM

PROPER WASTE DISP/RECYCLING/RECLAMATION PROC. ALL WASTE MATLS SHOULD BE REVIEWED DETERM APPLIC HAZS (TESTING MAY BE NEC). DISP REQS ARE DEPENDENT ON HAZ C LASSIFICATION & WILL VARY BY LOCATION & (ING 7)

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