

AUFHAUSER CORP -- SILVERALLOY A-56 -- 3439-00-854-4142

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Product Identification
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Product ID:SILVERALLOY A-56
MSDS Date:04/19/1997
FSC:3439
NIIN:00-854-4142
Status Code:A
MSDS Number: CLHDB
=== Responsible Party ===
Company Name:AUFHAUSER CORP
Address:39 WEST MALL
City:PLAINVIEW
State:NY
ZIP:11803-4209
Country:US
Info Phone Num:212-757-6824/FAX: 516-694-8690
Emergency Phone Num:1-516-694-8696
CAGE:59401
=== Contractor Identification ===
Company Name:AUFHAUSER CORP
Address:39 WEST MALL
Box:City:PLAINVIEW
State:NY
ZIP:11803-4209
Country:US
Phone:212-757-6824/FAX: 516-694-8690
Contract Num:SP0490-01-M-XH50
CAGE:59401

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Composition/Information on Ingredients
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Ingred Name:COPPER
CAS:7440-50-8
RTECS #:GL5325000
Minumum % Wt:20.
Maxumum % Wt:58.
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:NICKEL
CAS:7440-02-0
RT

ECS #:QR5950000
Minumum % Wt:0.
Maxumum % Wt:5.
OSHA PEL:1 MG/M3
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:AG-C-GS
CAS:7440-22-4
RTECS #:SI
Minumum % Wt:5.
Maxumum % Wt:75.
OSHA PEL:0.01 MG/M3
ACGIH TLV:0.1 MG/M3
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:TIN
CAS:7440-31-5
RTECS #:XP7320000
Minumum % Wt:0.
Maxumum % Wt:5.
ACGIH TLV:2 MG/M3

Ingred Name:ZINC (AS OXIDE) CAS# 7723-66-6
Minumum % Wt:3.
Maxumum % Wt:35.

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===== Hazards Identification =====
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:EYE CONTACT MAY CAUSE IRRITATION. SKIN CONTACT MAY CAUSE IRRITATION AND MAY CAUSE SENSITIZATION OR ALLERGIC REACTIONS WHICH MAY BE ACCENTUATED BY HEAT AND HUMIDITY. INAHLATION CAUSES UPPER RESPIRATORY IRRITATION. INGESTION IS HARMFUL. CHRONIC:OVEREXPOSURE MAY LEAD TO COPPER POISONING, RESULTING IN HEMOLYTIC ANEMIA & LIVER, K IDNEY & SPLEEN DAMAGE.

EXCESSIVE ZINC INTAKE HAS BEEN ASSOCIATED WITH COP PER DEFICIENCY ANEMIA. PROLONGED OR EXCESSIVE EXPOSURE MAY RESULT IN ARGYRIA, A PERMANENT BLUE-GREY DISCOLORATION OF THE EYES, SKIN OR MUCOUS MEMBRANES.

Explanation of Carcinogenicity:NTP? YES. NICKEL HAS BEEN CLASSIFIED BY BOTH IARC & NTP AS HAVING SUFFICIENT EVIDENCE OF CARCINOGENICITY IN HUMANS (CLASS 2B). ACGIH HAS CATEGORIZED NICKEL AS A5 (NOT SUSPECTED AS A HUMAN CARCINOGEN).

Effects of O

verexposure:THE SYMPTOMS OF THIS NICKEL DERMATITIS, REFERRED TO AS "NICKEL ITCH," MAY INCLUDE AN ITCHING OR BURNING SENSATION FOLLOWED BY THE ERUPTION OF SORES. INDIVIDUALS HYPERSENSITIVE TO NICKEL MAY DEVELOP AS THMA, BRONCHITIS, SHORTNESS OF BREATH OR WHEEZING. MAY CAUSE ABDOMINAL PAIN, NAUSEA, VOMITING AND DIARRHEA.

Medical Cond Aggravated by Exposure:MAY AGGRAVATE EXISTING MEDICAL CONDITIONS, SUCH AS RESPIRATORY AND/OR KIDNEY AILMENTS. INDIVIDUALS WITH WILSON'S DI SEASE ARE AT INCREASED RISK OF COPPER POISONING.

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

First Aid:EYE CONTACT: FLUSH EYES WITH PLENTY OF WATER. IF IRRITATION DEVELOPS, CALL A PHYSICIAN. SKIN CONTACT: IMMEDIATELY WASH SKIN WITH SOAP AND PLENTY OF WATER. IF IRRITATION PERSISTS, CALL A PHYSICIAN. INH ALATION: IF EXPOSED TO EXCESSIVE LEVELS OF METAL FUMES, REMOVE TO FRESH AIR AND SEEK MEDICAL ATTENTION. INGESTION: PROCEDURES NORMALLY NOT NEEDED. IF LARGE QUANTITIES ARE INGESTED, SEEK MEDICAL ADVICE .

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===== 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 POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:NOT A FIRE OR EXPLOSION HAZARD IN SOLID FORM. FINELY DIVIDED DUST MAY IGNITE AND BURN RAPIDLY WHEN MIXED

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

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

Spill Release Procedures:CONTAIN SPILLAGE & SCOOP UP OR VACUUM. NOTIFICATION OF THE NATIONAL RESPONSE CENTER (800/424-8802) MAY BE REQUIRED. REFER TO EPA, DOT & APPLICABLE STATE & LOCAL REGULATIONS FOR CURRENT RESPONSE INFORM ATION. IT IS RECOMMENDED THAT EACH USER ESTABLISH A SPILL PREVENTION, CONTROL & COUNTER

MEASURE PLAN (SPCC).

SUCH PLAN SHOULD INCLUDE PROCEDURES APPLICABLE TO PROPER STORAGE, CONTROL/CLEANUP OF SPILL.

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

Handling and Storage Precautions:WASH THOROUGHLY AFTER HANDLING. STORE IN A COOL, DRY LOCATION AWAY FROM INCOMPATIBLE MATERIALS. AVOID CONTACT WITH ANY DUSTS, MISTS OR FUMES RESULTING FROM THE USE OF THIS PRODUCT. DO NOT EAT, DRINK, OR SMOKE IN WORK AREA. USE ONLY WITH ADEQUATE VENTILATION.

Other Precautions:DISPOSAL: DISPOSAL/RECYCLING/RECLAMATION REQUIREMENTS WILL VARY BY LOCATION & TYPE OF DISPOSAL SELECTED. CONSULT WITH STATE & LOCAL REGULATORY AUTHORITIES.

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

Respiratory Protection:A NIOSH/MSHA-APPROVED RESPIRATOR IS RECOMMENDED IF DUST IS GENERATED.

Ventilation:GENERAL; LOCAL EXHAUST VENTILATION AS NECESSARY TO CONTROL ANY AIR CONTAMINANTS TO WITHIN THEIR PELS OR TLVS DURING THE USE OF THIS PRODUCT.

Eye Protection:SAFETY GLASSES (WITH SIDE SHIELDS).

Other Protective Equipment:REFER TO ANSI ASC Z49.1-94 (SAFETY IN WELDING, CUTTING AND ALLIED PROCESSES), PUBLISHED BY THE AMERICAN WELDING SOCIETY, FOR FURTHER INFORMATION ON THE SELECTION OF PERSONAL PROTECTIVE EQUIPMENT.

Supplemental Safety and Health

**DISPOSAL: NOTE-CHEMICAL ADDITIONS, PROCESSING OR ALTERING THIS MATERIAL MAY MAKE THE WASTE MANAGEMENT INFORMATION PRESENTED INCOMPLETE, INACCURATE OR INAPPROPRIATE.

AS LOCAL REGS VARY; ALL WASTE MUST BE DISPOSED/RECYCLED/RECLAIMED WITHIN FEDERAL, STATE, & LOCAL REGULATIONS.

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

HCC:N1

Boiling Pt:B.P. Text:NOT DETERMINED

Melt/Freeze Pt:M.P/F.P Text:621 - 741C

Spec Gravity:8.0 - 10.0

Evaporation Rate & Reference:N/A (BUTYL ACETATE=1)

Solubility in Water:INSOLUBLE

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

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===== Stability and Reactivity Data ==

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Stability Indicator/Materials to Avoid: YES

STRONG ACIDS AND BASES, STRONG OXIDIZERS, ACETYLENE, AMMONIA, HYDROGEN PEROXIDE, MAGNESIUM METAL, AMMONIUM NITRATE, HYDROGEN SULFIDE, ELEMENTAL SULFUR, SELENIUM, TELLURIUM, CHLORINATED RUBBER.

Stability Condition to Avoid: NONE EXPECTED.

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

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Toxicological Information =====

Toxicological Information: NOTE: INHALATION OF FUMES MAY CAUSE A FLU-LIKE ILLNESS CALLED METAL FUME FEVER. TYPICALLY METAL FUME FEVER BEGINS FOUR TO TWELVE HOURS AFTER SUFFICIENT EXPOSURE TO FRESHLY FORMED FUMES. THE FIRST SYMPTOMS, ARE A METALLIC TASTE, DRYNESS AND IRRITATION OF THE THROAT. COUGH & SHORTNESS OF BREATH MAY OCCUR WITH HEADACHE, FATIGUE, NAUSEA, VOMITING, MUSCLE & JOINT PAIN, FEVER CHILLS. THE SYNDROME RUNS ITS COURSE IN 24-48 HRS.

NOTE: THE POTENTIAL HEALTH EFFECTS DESCRIBED ABOVE ONLY APPLY IF DUST OR FUME IS FORMED. COPPER CAS NO.: 7440-50-80, 3.5 MG/KG MOUSE ZINC (AS OXIDE) CAS NO.: 7440-66-6, 7950 MG /KG MOUSE, 2,500 MG/KG ORAL MOUSE.

===== Ecological Information =====

Ecological: ECOTOXICITY: NO DATA AVAILABLE. ENVIRONMENTAL FATE: NO DATA AVAILABLE.

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

Waste Disposal Methods: U

SEE EPA WASTE NUMBER: D006/D011. THIS PRODUCT MAY BE A HAZARDOUS WASTE UNDER EPA WASTE REGULATIONS (SEE EPA WASTE ABOVE). BEFORE DISPOSAL, THIS PRODUCT OR MIXTURES CONTAINING THIS PRODUCT SHOULD BE TESTED FOR TOXICITY CHARACTERISTICS (TC) UNDER THE CURRENT EPA HAZARDOUS WASTE REGULATIONS TCLP TESTING PROCEDURES 40 CFR PART 261 CT SEQ.

===== MSDS Transport Information =====

Transport Information: INTERNATIONAL UN NUMBER: NOT REGULATED. UNITED

STATES EPA WASTE NUMBER: D006/D011 DOT CLASSIFICATION: NOT REGULATED. CANADA PIN NUMBER: NOT REGULATED TDG CLASS: NOT REGULATED. EC DGL: NOT DETERMINED.

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===== Regulatory Information =====

SARA Title III Information:SARA 311 AND 312 HAZARD CATEGORIES:
IMMEDIATE (ACUTE) HEALTH HAZARD: YES. DELAYED (CHRONIC) HEALTH HAZARD: YES. FIRE HAZARD: NO. REACTIVITY HAZARD: NO. SUDDEN RELEASE OF PRESSURE: NO. SARA SECTION 313 NOTIFICATION: THIS PRODUCT

CONTAINS A TOXIC CHEMICAL (OR CHEMICALS) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372. CHEMICAL NAME, CAS NUMBER, % WT: COPPER 7440-50-8, 20 - 53. NICKEL 7440-02-0, 0-5. SILVER 7440-22-4, 5 - 75. TIN 7440-31-5 0 - 5. ZINC (AS OXIDE) 7440-66-6, 3 - 38.

Federal Regulatory Information:US FEDERAL REGULATIONS TSCA: IN TSCA. OZONE DEPLETING SUBSTANCES (ODS): THIS PRODUCT N EITHER CONTAINS NOR IS MANUFACTURED WITH AN OZONE DEPLETING SUBSTANCE SUBJECT TO THE LABELING REQUIREMENTS OF THE CLEANAIR ACT AMENDMENTS 1990 AND 40 CFR PART 82. VOLATILE ORGANIC COMPOUNDS (VOC): NONE.

State Regulatory Information:CALIFORNIA: THE STATE OF CALIFORNIA HAS A REGULATION (PROPOSITION 65) WHICH IDENTIFIES SPECIFIC CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR BIRTH DEFECTS. PROPOSITION 65 REQUIRES A DISCLOSURE FOR PRODUCTS SOLD WITHIN THE

STATE OF CALIFORNIA CONTAINING AN IDENTIFIED CHEMICAL. THE FOLLOWING INFORMATION IS REQUIRED BY THE STATE OF CALIFORNIA FOR THE PRODUCT: *WARNING: THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER. VOLATILE ORGANIC COMPOUND (CARB): NOT DETERMINED.

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===== Other Information =====

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