

AUFHAUSER CORP -- SILVALOY 15 -- 3439-00-262-4202

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

Product ID:SILVALOY 15
MSDS Date:03/11/1999
FSC:3439
NIIN:00-262-4202
Status Code:A
MSDS Number: CKFHD
=== Responsible Party ===
Company Name:AUFHAUSER CORP
Address:39 WEST MALL
City:PLAINVIEW
State:NY
ZIP:11803-4209
Country:US
Info Phone Num:516-694-8696
Emergency Phone Num:516-694-8696
Resp. Party Other MSDS Num
.:CODE: F1-7153
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:SPO490-99-M-RD35
CAGE:59401

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

Ingred Name:COPPER (SARA III)
CAS:7440-50-8
RTECS #:GL5325000
Fraction by Wt: 80%
Other REC Limits:NONE SPECIFIED
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:SILVER (SARA III)
CAS:7440-22-4
RTECS #:VW3500000
Fraction by Wt: 15%
Other REC Limits:NONE SPECIFIED
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:PHOSPHOROUS (YELLOW) (SARA III)
CAS:7723-14-0
RTECS #:TH3500000
Fraction by Wt: 5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.1 MG/M3
ACGIH TLV:0.1 MG/M3; 9293
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

===== Hazards Identification =====
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LD50 LC50 Mixture:NONE PROVIDED BY MFR.
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 EYES, SKIN AND RESPIRATORY
TRACT IRRITATION. INGESTION: MAY CAUSE COPPER POISONING. INHALATION
MAY CAUSE SYSTEMIC TOXICITY. CHRONIC: PROLONGED OVEREXPOSURE TO
PHOSPHORUS CAN CAUSE GASTROINTESTINAL DISTRESS, GARLIC BREATH,
NECROSIS & DEFORMITY OF THE JAW. SYSTEMIC EFFECTS SUCH AS CARDI
AC,
LIVER & KIDNEY DYSFUNCTION MAY RESULT DUE TO PROLONGED INHALATION
OF FUMES. PROLONGED OR EXCESSIVE EXPOSURE MAY RESULT IN ARGYRIA, A
PERMANENT LOCALIZED BLUE-GREY DISCOLORATION OF THE EYES, SKIN, OR
MUCOUS MEMBRANES.
Explanation of Carcinogenicity:NONE PROVIDED BY MFR.
Effects of Overexposure:NONE PROVIDED BY MFR.
Medical Cond Aggravated by Exposure:MAY AGGRAVATE EXISTING RESPIRATORY
AND/OR SKIN AILMENTS. INDIVIDUALS WITH WILSON'S DISEASE ARE AT
INCREASED RISK OF COPD

ER POISONING.

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

First Aid:EYE: FLUSH EYES WITH PLENTY OF WATER. IF IRRITATION DEVELOPS, CALL A PHYSICIAN. SKIN: FLUSH WITH PLENTY OF WATER. IF IRRITATION DEVELOPS, CALL A PHYSICIAN. INHALATION: IF EXPOSED TO EXCESSIVE LEVELS OF METAL FUME, REMOVE TO FRESH AIR & SEEK MEDICAL ATTENTION. INGESTION: PROCEDURES NORMALLY NOT NEEDED. IF LARGE QUANTITIES ARE INGESTED, SEEK MEDICAL ADVICE.

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

Autoignition Temp:Autoignition Temp Text:NOT AP
Lower Limits:NOT APPLICAB
Upper Limits:NOT APPLICAB
Extinguishing Media:USE CARBON DIOXIDE, CHEMICAL FOAM OR DRY CHEMICAL. USE ANY MEANS FOR EXTINGUISHING SURROUNDING FIRE.
Fire Fighting Procedures:WEAR PROTECTIVE-PRESSURE SELF CONTAINED BREATHING APPARATUS
Unusual Fire/Explosion Hazard:NOT A FIRE OR EXPLOSION HAZARD IN SOLID FORM. FINELY DIVIDED DUST MAY IGNITE & BURN RAPIDLY WHEN MIXED WITH AIR IN THE PROPER PROPORTIONS. TOXIC METAL FUMES MAY BE RELEASED IN A FIRE SITUATION.

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

Spill Release Procedures:CONTAIN SPILLAGE & SCOOP UP OR VACUUM. AVOID DUSTING. NOTIFICATION OF THE NATIONAL RESPONSE CENTER (800-424-8802) MAY BE REQUIRED. IT IS RECOMMENDED THAT EACH USER ESTABLISH A SPILL PREVENTION, CONTROL & COUNTERMEASURE PLAN (SPCC). WHICH INCLUDES PROCEDURES APPLICABLE TO PROPER STORAGE
CONTROL & CLEAN UP OF SPILLS.
Neutralizing Agent:NONE PROVIDED BY MFR.

===== 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. USE ONLY WITH ADEQUATE VENTILATION. DO NOT EAT DRINK, OR SMOKE IN THE WORK AREA.
Other Precautions:AVOID INHALING FUMES OR DUST.

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

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

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

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

Protective Gloves:WELDING GLOV
ES

Eye Protection:SAFETY GLASSES (WITH SIDE SHIELDS)

Other Protective Equipment:BODY PROTECTION AS NECESSARY TO PREVENT SKIN
CONTACT.

Work Hygienic Practices:MUST FOLLOW ANSI/ASC Z49.1.88 WELDING SAFETY
RULES AS APPROPRIATE.

Supplemental Safety and Health
NONE PROVIDED BY MFR.

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

HCC:N1

Boiling Pt:B.P. Text:NOT DETERMINED

Melt/Freeze Pt:=636.9C, #####F

Decomp Temp:Decomp Text:NONE PROVIDED BY MFR.

Vapor Density:NOT APPL

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Spec Gravity:7.75 (H2O=1)

Viscosity:NONE PROVIDED BY MFR.

Solubility in Water:INSOLUBLE

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

Corrosion Rate:NONE PROVIDED BY MFR

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

Stability Indicator/Materials to Avoid:YES

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

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.

Conditions to Avoid Polymerization:WILL NOT OCCUR

===== Toxicological Information =====

Toxicological Information:LD50 (MOUSE) FOR COPPER = 3.5 MG/KG

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

Ecological:NO DATA AVAILABLE.

===== Disposal Considerations =====
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Waste Disposal Methods:SCRAP OR WASTE SHOULD BE RECYCLED OR DISPOSED OF
IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. EPA WASTE
NUMBER=D011. BEFORE DISPOSAL WASTE SHOULD BE TESTED FOR TOXICITY
CHARACTERISTICS (TC) FOLLOWING EPA PROCEDURES 40 CFR 261.

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

Transport Information:NOT REGULATED.

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

SARA Title III Information:SARA

311/312 HAZARD CATEGORIES: ACUTE AND

CHRONIC= YES. FIRE, REACTIVITY, RELEASE OF PRESSURE= NO. SEC 313
NOTIFICATION: THIS PRODUCT CONTAINS TOXIC CHEMCALS SUBJECT TO THE
REPORTING REQUIREMENTS OF SEC 313 (40 CFR 372). THIS PRODUCT DOES
NOT CONTAIN OZONE DEPLETING SUBSTANCES (ODS).

State Regulatory Information:VOLATILE ORGANIC COMPOUNDS=NONE. CANADIAN
REGULATIONS DSL/NDL: NOT DTERMINED. WHMIS CALSSIFICATIO= NOT
DETERMINED. EINECS; NOT DTERMINED. OTHER REGS MITI AND AICS=
NOT
DETERMINED.

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

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