View NSN Online: https://aerobasegroup.com/nsn/3439-01-047-4141

J.W. HARRIS CO, INC -- SAFETY-SILV 56 -- 3439-01-047-4141

Product ID:SAFETY-SILV 56

MSDS Date:04/07/2000

FSC:3439

NIIN:01-047-4141

Status Code:A

Kit Part:Y

MSDS Number: CLJXN === Responsible Party ===

Company Name: J.W. HARRIS CO, INC

Address:4501 QUALITY PLACE

City:MASON State:OH ZIP:45040 Country:US

Info Phone Num:800-733-4533

Emergency Phone Num:800-424-9300

R

esp. Party Other MSDS Num.:0127 Chemtrec Ind/Phone:(800)424-9300

CAGE:UO662

=== Contractor Identification ===

Company Name: J.W. HARRIS CO, INC

Address:4501 QUALITY PLACE

Box:City:MASON

State:OH ZIP:45040 Country:US

Phone:800-733-4533

CAGE:UO662

Company Name: L AND M WELDING SUPPLY INC

Address:568 WESTERN DR

Box:City:MOBILE

State:AL

ZIP:36607-1420 Country:US

Phone:334-470-9997

Contract Num:SP0450-01-M-XH99

CAGE:1HJ95

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

Ingred Nam

CAS:7440-22-4
RTECS #:VW3500000
= Wt:56.
OSHA PEL:0.01 MG/M3
ACGIH TLV:0.1 MG/M3
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

e:SILVER

Ingred Name:COPPER CAS:7440-50-8 RTECS #:GL5325000 = Wt:22. OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3 EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS

Ingred Name:ZINC CAS:7440-66-6 RTECS #:ZG8600000 = Wt:17. EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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

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

======

Reports of Carcinogenicity:NTP:YES IARC:YES

Health Hazards Acute and Chronic:ACUTE: THE CHIEF ACUTE HEALTH HAZARD ASSOCIATED WITH THESE PRODUCTS WOULD BE THE POTENTIAL FOR IRRITATION OF CONTAMINATED SKIN & EYES WHEN EXPOSED TO FUMES DURING BRAZING OPERATIONS. INHALTION OF LARG E AMOUNTS OF PARTICULATES GENERATED BY THESE PRODUCTS DURING METAL PROCESSING OPERATIONS MAY BE PHYSICALLY IRRITATING & CAUSE DEPOSITS OF DUST IN NASAL PASSAGES. INHALATION OF DUSTS & FU

- MES OF COPPER, MANGANESE & ZINC
 - CAN CAUSE METAL FUME FEVER.CONTACT WOTH MOLTEN MATERIAL WILL BURN CONTAMINATED SKIN OR EYES. IF PARTICULATES OR FUMES, GENERATED DURING BRAZING OPERATIONS ARE INGESTED. SEVERE INGEST ION MAY BE FATAL.
- Explanation of Carcinogenicity:NICKEL, ELEMENTAL, METAL: POSSIBLE CARCINOGENIC TO HUMANS.
- Effects of Overexposure:METAL FUME FEVER: METALLIC OR SWEET TAST IN MOUTH, SWEATING, SHIVERING, HEADACHE, THROAT IRRITATION, FEVER, CHILLS, THIRSTIN
- ESS, MUSCLE ACHES, NAUSEA, VOMITING, WEAKNESS, FATIGUE AND SHORTNESS OF BREA TH. INGESTION: STOMACH ACHE, DEGENERATION OF BLOOD AND LIVER CELLS, GASTROINTESTINAL BLEEDING, DECREASED URINE OUTPUT, LISTLESSNESS, RAPID HEARTBEAT, CONVULSIONS AND COMA.BURN MOUTH, THROAT, ESOPHAGUS AND OTHER TISSUES OF THE DIGESTIVE SYSTEM. SKIN: PUSTULAR DERMITITIS. INGESTION: KIDNEY DAMAGE, ASTHMA, AND PAIN IN JOINTS AND MUSCLES TARGET ORGANS: SKIN, EYES, RESPIRATORY SYSTEM.

Medical Con

d Aggravated by Exposure:NO DATA PROVIDED BY MANUFACTURER

First Aid:VICTIMS & RESCUERS SHOULD BE TAKEN FOR MEDICAL ATTENTION.
SKIN: BEGIN DECONTAMINATION WITH RUNNING WATER. IF MOLTEN MATRIAL,
IMMEDIATELY BEGIN DECOMTAMINATION WITH COLD, RUNNING WATER. MINIMUM
FLUSHIN G IS FOR 15 MINUTES.VICTIM MUST SEEK MEDICAL ATTENTION IF
ANY ADVERSE REACTION OCCURS. EYE: OPEN VICTIM'S EYES WHILE UNDER
GENTLY RUNNING WA

TER. USE SUFFICIENT FORCE TO OPEN EYELIDS. HAVE
VICTIM "ROLL" EYES. MINIMUM FLUSHING IS FOR 15 MINUTES. SEEK
MEDICAL ATTENTION. INHALATION: REMOVE VICTIM TO FRESH AIR. IF
NECESSARY, USE ARTIFICIAL RESPIRATION TO SUPPORT VITAL FUNCTIONS.
INGESTION: CALL PHYSICI AN IMMEDIATELY. DO NOT INDUCE VOMITING.

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

Flash Point: NOT FLAMMABLE

Extinguishing Media:WATER SPRAY, HALON, DRY CHEMICAL, CARBON DIOXIDE, FOAM, ANY "

ABC" CLASS

Fire Fighting Procedures: FIRE RESPONDERS SHOULD WEAR EYE PROTECTION. STRUCTURAL FIRE FIGHTERS MUST WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL FACE PROTECTIVE EQUIPMENT. CHEMICAL RESISTANT CLOTHING MAY BE NECESSARY. IF P OSSIBLE, PREVENT RUN-OFF WATER FORM ENTERING STORM DRAINS, BODIES OF WATER, OR OTHER ENVIRONMENTALLY SENSITIVE AREAS.

Unusual Fire/Explosion Hazard:IN A FIRE THESE PRODUCTS MAY GENERATE IRRITATING FUMES AND A VARIETY OF METAL OXIDES. IF IN VOLVED IN A

FIRE, THE FLUX COATING ON THE FLUX COATED PRODUCTS MAY DECOMPOSE AND RELEASE FLUORIDE COMPOUNDS, BORIC ANHYDRIDE, AND HYDROGEN FLUORIDE. THE MOLTEN RODS CAN PRESENT SIGNIFICANT THERMAL HAZARDS TO FIREFIGHTERS

========== Accidental Release Measures ===========
Spill Release Procedures:NO DATA PROVIDED BY MANUFACTURER Neutralizing Agent:NO DATA PROVIDED BY MANUFACTURER
======================================

Handling and

Storage Precautions:USE IN PROPERLY VENTED LOCATION. OPEN CONTAINERS ON A STABLE SURFACE. STORE PACKAGES IN A COOL, DRY LOCATION. STORAGE IN AN ATMOSPHERE THAT IS WET, MOIST OR HIGHLY HUMID MAY LEAD TO CORROSION OF THESE PRODUCTS. STORE AWAY FROM INCOMPATIBLE MATERIALS.

Other Precautions:ALL EMPLOYEES WHO HANDLE THESE PRODUCTS SHOULD BE TRAINED TO HANDLE THEM SAFELY. AVOID GETTING THESE PRODUCTS ON YOU OR IN YOU. WASH HANDS AFTER HANDLING THESE PRODUCTS. DO NOT EAT OR

DRINK WHILE HAND LING THESE PRODUCTS.

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

Respiratory Protection:IF RESPIRATORY PROTECTION IS NEEDED USE ONLY PROTECTION AUTHORIZED IN 29CFR1910.134 OR APPLICABLE STATE REGULATIONS. RESPIRATORY PROTECTION IS RECOMMENDED TO BE WORN DURING WELDING OPERATIONS. OXYGEN LEVELS BELOW 19.5% ARE CONSIDERED IDLH BY OSHA. IN SUCH ATMOSPHERES USE OF A FULL-FACEPIECE PRESSUR/DEMAND SCBA OR FULL FACEPIECE, SUPPLIED AIR

RESPIRATOR.

Ventilation: USE WITH ADEQUATE VENTILATION TO ENSURE EXPOSURE LEVELS ARE MAINTAINED BELOW THE LIMITS PROVIDES.

Protective Gloves:WEAR GLOVES FOR ROUTINE INDUSTRIAL USE. BRAZING WEAR PER ANSI Z49.1-1988

Eye Protection:SAFETY GLASSES. BRAZING: SAFETY GLASSES, GOGGLES, FACE SHIELD WITH FILTER LENS

Other Protective Equipment: WEAR BODY PROTECTION APPROPRIATE FOR TASK. EYEWASH/SAFETY SHOWER STATIONS ARE AVAILABLE NEAR WORK AREAS.

Work Hygienic Practices: NO DATA PROVIDED B

Y MANUFACTURER

Supplemental Safety and Health

NO DATA PROVIDED BY MANUFACTURER

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

HCC:N1

Boiling Pt:=2595.C, 4703.F

B.P. Text:COPPER

Melt/Freeze Pt:=1083.C, ######F

M.P/F.P Text:COPPER

Spec Gravity:8.94 COPPER

Evaporation Rate & Description Rate & Reference: N/A (NBUAC=1)

Solubility in Water: INSOLUBLE

Appearance and Odor:ODORLESS, SOLID RODS WITH METALLIC LUSTER, MAY HAVE FLUX COATING.

 Stability and Reactivity Data	====

Stability Indicator/Materials to Avoid:YES

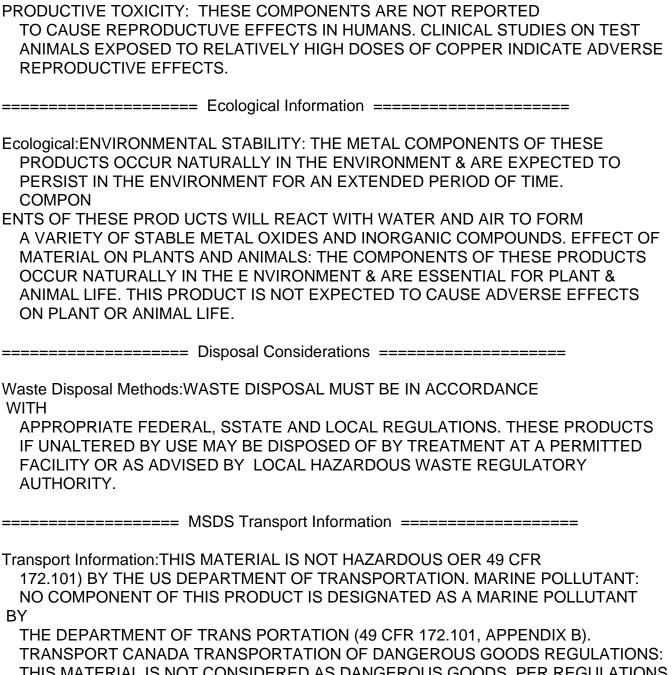
STRONG ACIDS, STRONG OXIDIZERS, ACETYLENE, HALOGENATED HYDROCARBONS, HALOGENS, AMMONIUM NITRATE. SULFUR, POTASSIUM, ALKALI, HYDROXIES, GLASS, OTHER SILICA BASED COMPOUNDS.

Stability Condition to Avoid:AVOID UNCONTROLLED EXPOSURE TO EXTREME TEMPERATURES, INCOMPATIBLE MATERIALS.

Hazardous Decomposition Products:BARE RODS: METAL OXIDES. COATED RODS: METAL OXIDES, BORIC ANHYDRIDE, FLUORIDE COMPOUNDS, AND HYDROGEN FLUORIDE.

· 🛨 / · · · · · · · · · · · · · · · ·	1 . ((
	Intormation	
 IUNICUIUAICAI	IIIIOIIIIauoii	

Toxicological Information:MUTAGENICITY: THESE COMPONENTS ARE NOT REPORTED TO PRODICE MUTAGENIC EFFECTS IN HUMANS. EMBRYOTOXICITY: THESE COMPONENTS ARE NOT REPORTED TO PRODUCE EMBRYOTOXIC EFFECTS IN HUMANS. TERATOGENICITY: THES E COMPONENTS ARE NOT REPORTED TO CAUSE TERATOGENIC EFFECTS IN HUMANS. CLINICAL STUDIES ON TEST ANIMALS EXPOSED TO RELATIVELY HIGH DOSES OF COPPER INDICATE TERATOGENIC EFFECTS. RE



TRANSPORT CANADA TRANSPORTATION OF DANGEROUS GOODS REGULATIONS: THIS MATERIAL IS NOT CONSIDERED AS DANGEROUS GOODS, PER REGULATIONS OF TRANSPORT CANADA.

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

SARA Title III Information:SARA 302 (40 CFR 355, APPENDIX A): NONE. SARA 304 (40 CFR TABLE 302.4): COPPER, SILVER, ZINC. SARA 313: COPPER, SILVER, ZINC. US SARA THRESHOLD PLANNING QUA

NTITY: THERE

ARE NO SPECIFIC THRESHOLD PLAN NING QUANTITIES FOR ANY COMPONENT OF THIS PRODUCT. THE DEFAULT FEDERAL MSDS SUBMISSION AND INVENTORY REQUIREMENT FILING THRESHOLDD OF 10,000 LBS (4,540 KG) MAY APPLY, PER 40 CFR 370.20.

Federal Regulatory Information:US TSCA INVENTORY STATUS: THE CONSTIUENTSS OF THESE PRODUCTS ARE LISTED ON THE TSCA INVENTORY. US CERCLA REPORTABLE QUANTITY (RQ): COPPER=5000 LBS, SILVER=1000 LBS, ZINC=1000 LBS. RQ'S FOR COPPER, SIL VER & ZINC

ARE APPLICABLE TO

PARTICLES 100 MICROMETERS OR LESS IN DIAMETER.OTHER US FEDERAL REGULATIONS: NOT APPLICABLE.

State Regulatory Information:ALASKA: COPPER, FUME, SILVER, TIN.
CALIFONIA: COPPER MANGANESE, SILVER, TIN. FLORIDA: COPPER, FUME, SILVER, TIN, ZINC. ILLINOIS: COPPER, SILVER, ZINC. KANSAS: COPPER, SILVER, ZINC. MASSACHUSETTS: COPP ER, SILVER, TIN, ZINC. MICHIGAN: COPPER, SILVER, TIN, FUME. MINNESOTA: COPPER, SILVER, TIN, FUME. MISSOURI: OPPER, SILVER, TIN. NEW

JERSEY: COPPER, SILVER, TIN,

ZINC. NORTH DAKOTA: COPPER, SILVER, ZIN C. PENNSYLVANIA: COPPER, SILVER, TIN, ZINC.RHOSE ISLAD: COPPER, FUME, SILVER, TIN, ZINC. TEXAS: COPP ER, FUME, SILVER. WEST VIRGINIA: COPPER, FUME, SILVER. WISCONSIN: COPPER, FUME, SILVER.

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

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.