

MARCO CO -- MARCOLOY,1900 SILVER BRAZING KIT,PART A -- 3439-01-047-4141

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Product Identification
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Product ID:MARCOLOY,1900 SILVER BRAZING KIT,PART A

MSDS Date:06/01/1991

FSC:3439

NIIN:01-047-4141

Kit Part:Y

MSDS Number: BWRLC

=== Responsible Party ===

Company Name:MARCO CO

Address:5722 UNION PACIFIC AVENUE

City:LOS ANGELES

State:CA

ZIP:90022-5135

Country:US

Info Phone Num:213-723-0711

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ergency Phone Num:213-723-0711

CAGE:55278

=== Contractor Identification ===

Company Name:MARCO CO

Address:5722 UNION PACIFIC AVENUE

Box:City:LOS ANGELES

State:CA

ZIP:90022-5135

Country:US

Phone:213-723-0711

CAGE:55278

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Composition/Information on Ingredients
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Ingred Name:SILVER (SARA 313) (CERCLA)

CAS:7440-22-4

RTECS #:VW3500000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.01 MG/M3

ACGIH TLV:0.1 MG/M3; 9495

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:COPPER (SARA

313) (CERCLA)
CAS:7440-50-8
RTECS #:GL5325000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1MG/M3 FUME/1 DUST
ACGIH TLV:0.2 MG/M3 FUME; 9495
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ZINC (SARA 313) (CERCLA)
CAS:7440-66-6
RTECS #:ZG8600000
Other REC Limits:NONE RECOMMENDED
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:CADMIUM (SARA 313) (CERCLA)
CAS:7440-43-9
RTECS #:EU9800000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.2 MG/M3 DUST; Z-2
ACGIH TLV:0.01 MG/M3 DUST;9495
EPA
Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:NICKEL (SARA 313) (CERCLA)
CAS:7440-02-0
RTECS #:QR5950000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9495

Ingred Name:TIN
CAS:7440-31-5
RTECS #:XP7320000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9495

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS UNKNOWN.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenic

ity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:TARGET ORGANS:LUNGS, EYES, SKIN.

ACUTE- LITTLE/NO HAZARDS BEFORE USED IN WELDING. INHALING FUMES CAN CAUSE LUNG DAMAGE. MAY CAUSE METAL FUME FEVER. ARC RAYS & UV LIGHT CAN INJURE EYES & BURN SKIN. CHR ONIC- UNKNOWN.

Explanation of Carcinogenicity:CONTAINS C [7440-43-9] WHICH IS

LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A CARCINOGEN.

Effects of Overexposure:IRRITATION, DIZZINESS, WATERY EYES, HEADACHE,
N

AUSEA, BREATHING DIFFICULTY, COUGHING, CHEST PAIN

Medical Cond Aggravated by Exposure:PERSONS WITH IMPAIRED PULMONARY FUNCTION, AIRWAY DISEASES AND CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, CHRONIC BRONCHITIS, ETC... CAN BE AGGRAVATED BY THE EXPOSURE TO METAL FUMES.

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

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EMPLOY FIRST AID TECHNIQUE RECOMMENDED BY RED CROSS. IF BREATHING IS DIFFICULT, PROVIDE OXYGE

N/CPR IF NEEDED. FOR ELECTRIC SHOCK, DISCONNECT POWER.

FOR ARC BURNS, APPLY COLD, CLEAN COMPRESSES & CALL A PHYSICIAN. IF EYE CONTACT, FLUSH WITH WATER FOR 15 MINUTES. IF INGESTED, CALL PHYSICIAN/POISON CONTROL CENTER. IF SKIN CONTACT, WASH WITH SOAP & WATER.

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

Flash Point:NOT RELEVANT

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, SAND

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APP

ROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:WELDING ARC AND SPARKS CAN IGNITE COMBUSTIBLES AND FLAMMABLES.

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

Spill Release Procedures:NOT RELEVANT

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN A DRY PLACE. KEEP OUT OF REACH OF CHILDREN

Other Precautions:AVOID BREATHING OF FUMES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING AND DRINKING. REMOVE CONTAMINATED CLOTHING. LAUNDRY BEFORE REUSE.

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

Respiratory Protection:USE NIOSH APPROVED SUPPLIED AIR RESPIRATORY PROTECTION OR RESPIRABLE FUME RESPIRATOR WHEN WELDING, BRAZING OR SOLDERING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOS

URE BELOW TLV.

Ventilation:USE GENERAL & LOCAL EXHAUST AT FLAME TO KEEP FUMES AND GASES BELOW TLV'S IN THE WORKER'S BREATHING ZONE & GENERAL AREA.

Protective Gloves:FLAME-PROOF WELDING GLOVES

Eye Protection:SAFETY GLASSES UNDER WELDING HELMET

Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, WORK CLOTHING AND APRON FOR WELDING.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

KEY1:T6. THIS PRODUCT IS

A KIT CONSISTING OF TWO PARTS. PART ONE, HAS

PNI D; PART TWO HAS PNI E, SAME NSN. FORMULA CHANGED. FOR PREVIOUS FORMULATIONS SEE PNI A, B AND C, SAME NSN. PRODUCT TYPE: SILVER BRAZING ALLOYS (FLUX COATED, PASTE & BARE WIRE).

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

HCC:T6

NRC/State Lic Num:NOT RELEVANT

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:INSOLUBLE

Appearance and Odor:WIRE CONTAINING SILVER

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:WELDING FUMES (OXIDES OF METAL BEING WELD) AND GASES SUCH AS OZONE, CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES

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

Waste Disposal Methods:PRIOR TO DISPOSAL, CONSIDER IF MATERIAL HAS RECOVERY VALUE. DISPOSE OF IN ACCORDANCE WITH ALL L

OCAL, STATE AND

FEDERAL REGULATIONS. PREVENT WASTE FROM CONTAMINATING ENVIRONMENT.

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