

MARCO CO -- MARCOLOY -- 3439-01-297-3284

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

Product ID:MARCOLOY
MSDS Date:06/01/1987
FSC:3439
NIIN:01-297-3284
Kit Part:Y
MSDS Number: BTRRJ
=== 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
Emergency Phone Num:213-723-0711
CAGE:55278
=== Contractor Ident
ification ===
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
Company Name:SPECIALTY TOOLS INC
Address:1123 S. HATCHER AVE
Box:City:ROWLAND HEIGHTS
State:CA
ZIP:91748-1003
Country:US
Phone:626-912-4467
CAGE:7W874

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

Ingred Name:SILVER (SARA III)
CAS:7440-22-4
RTECS #:VW3500000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.01 MG/M3
ACGIH

TLV:0.1 MG/M3; 9394

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:COPPER (SARA III)

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; 9394

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:ZINC (SARA III)

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 III)

CAS:7440-43-9

RTECS #:EU9800000

Other REC Limits:NONE RECOMMENDED

OSHA PE

L:0.2 MG/M3 DUST; Z-2

ACGIH TLV:0.01 MG/M3 DUST;9394

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

Ingred Name:NICKEL (SARA III)

CAS:7440-02-0

RTECS #:QR5950000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9394

Ingred Name:TIN

CAS:7440-31-5

RTECS #:XP7320000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9394

Ingred Name:POTASSIUM FLUORIDE

CAS:7789-23-3

RTECS #:TT0700000

Other REC Limits:NONE RECOMMENDED

Ingred Name:HYDROCARBONS -- INORGANIC SALTS

Oth

er REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM BORATE

CAS:1330-43-4

RTECS #:VZ2275000

Other REC Limits:NONE RECOMMENDED

Ingred Name:POTASSIUM BORATE

CAS:1332-77-0

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NOT GIVEN FOR PRODUCT AS A WHOLE

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:PRODUCT NOT HAZARDOUS AS

S

TORED/SHIPPED. HAZARD OCCURS WHEN USED IN WELDING PROCESS. SHORT TERM EXPOSURE TO WELDING FUMES MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS, NAUSEA OR DRYNESS OR IRRITATION OF NOSE, THROAT, EYES, TIGHTNESS IN CHEST,FEVER AND ALLERGIC REACTIONS. LONG-TERM EXPOSURE MAY LEAD TO SIDEROSIS.

Explanation of Carcinogenicity:CONTAINS NICKEL

Effects of Overexposure:DOZZONNESS, NAUSEA, DRYNESS OR IRRITATION OF NOSE, THROAT, EYES, TIGHTNESS IN CHEST, FEVER, ALLERGIC REACTIONS, SIDEROS

IS (IRON DEPOSIT IN LUNGS), IMPAIRED PULMONARY FUNCTION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. OBTAIN MEDICAL ATTENTION.
EMPLOY FIRST AIR TECHNIQUES RECOMMENDED BY THE AMERICAN RED CROSS.

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

Flash Point:NONFLAMMABLE

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:NO

NFLAMMABLE. USE MEDIA SUITABLE FOR SURROUNDING
FIRE.

Fire Fighting Procedures:NONFLAMMABLE. USE PROCEDURES SUITABLE FOR
SURROUNDING FIRE.

Unusual Fire/Explosion Hazard:WELDING ARC AND SPARKS CAN IGNITE
COMBUSTIBLES AND FLAMMABLES. REFER TO AMERICAN NATIONAL STANDARD
Z49.1 FOR FIRE PREVENTION DURING WELDING.

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

Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURE
R.

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

Handling and Storage Precautions:PRODUCT IS NOT HAZARDOUS AS
STORED/SHIPPED.

Other Precautions:FOR ADDITIONAL SAFETY INFORMATION ON WELDING AND
CUTTING, SEE AMERICAN STANDARD Z49.1-1983, SAFETY IN WELDING AND
CUTTING AND THE WELDING HANDBOOK, VOL 1, CHAPTER 9, SAFE PRACTICES
IN WELDING AND CUTTING.

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

Respiratory Protection:USE RESPIRABLE F
UME RESPIRATOR OR AIR SUPPLIED
RESPIRATOR WHEN WELDING IN CONFINED SPACE OR WHERE LOCAL EXHAUST
DOES NOT KEEP EXPOSURE LEVELS BELOW RECOMMENDED LEVELS.

Ventilation:USE ENOUGH VENTILATION, LOCAL EXHAUST AT THE ARC, OR BOTH
TO KEEP FUMES AND GASES FROM THE WORKER'S BREATHING ZONE.

Protective Gloves:WELDER'S GLOVES

Eye Protection:HELMET OR FACE SHIELD WITH FILTER LENS

Other Protective Equipment:HEAD AND BODY PROTECTION WHICH HELP TO
PREVENT INJURY FROM RADIATION, SPARKS AND ELECTRIC
AL SHOCK.

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT
AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health
TRAIN WORKER TO KEEP HEAD OUT OF FUMES.

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

HCC:T7

Boiling Pt:B.P. Text:NOT GIVEN

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:NOT GIVEN

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:NOT GIVEN

Appearance and O

dor:SILVER BRAZING ALLOY

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

Stability Indicator/Materials to Avoid: YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products: DEPENDENT UPON THE MATERIAL BEING WELDED, THE PROCESS, PROCEDURE AND ELECTRODES USED.

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

Waste Disposal Methods: PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT.

DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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.