

MARCO CO -- MARCOLOY#1109 PASTE FLUX(WHITE);SOLDER FLUX -- 3439-01-297-3284

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

Product ID:MARCOLOY#1109 PASTE FLUX(WHITE);SOLDER FLUX

MSDS Date:03/18/1988

FSC:3439

NIIN:01-297-3284

Kit Part:Y

MSDS Number: BHXQZ

=== 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

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

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:ZINC CHLORIDE (SARA III)

CAS:7646-85-7

RTECS #:ZH1400000

OSHA PEL:1 MG/M3/2 STEL

ACGIH TLV:1 MG/M3/2STEL

FUME93
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:AMMONIUM CHLORIDE (SARA III)
CAS:12125-02-9
RTECS #:BP4550000
OSHA PEL:10 MG/M3/20 STEL
ACGIH TLV:10 MG/M3 FUME; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:SODIUM FLUORIDE (SARA III)
CAS:7681-49-4
RTECS #:WB0350000
OSHA PEL:2.5 PPM F
ACGIH TLV:2.5 MG F/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA III)
CAS:7647-01-0
RTECS #:MW4025000
OSHA PEL:C 5 PPM
A
CGIH TLV:C 5 PPM; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:WATER(DEIONIZED)
CAS:7732-18-5
RTECS #:ZC0110000

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE:IRRITATION OF
EYES,SKIN,RESPIRATORY OR G,I.TRACT;REDNESS OR BURNS OF EYES ARE
POSSIBLE FROM FUMES AND GASES(WELDING PROCESS.)FUMES MAY CAUSE

DIZZINESS,NAUSEA OR DRYNESS.CHROMIC:WELDING FUMES MAY LEAD TO
SIDEROSIS(IRON DEPOSIT IN LUNGS.)

Explanation of Carcinogenicity:DATA PER MGF MSDS.

Effects of Overexposure:SEE HEALTH HAZARDS DATA.

Medical Cond Aggravated by Exposure:PRE-EXISTING CONDITIONS MAY BE
WORSEN.

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

First Aid:EYES AND SKIN:FLUSH WITH LARGE AMOUNT OF WATER FOR ABOUT
15-20 MINUTES;SEEK MEDICAL ATTENTION IMMEDIATELY.INHALATION:REMOVE
TO FRESH
AIR;CALL A PHYSICIAN.INGESTION:SEEK MEDICAL ATTENTION
IMMEDIATELY.

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

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY
CHEMICAL IF APPLICABLE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:WELDING ARC AND SPARKS CAN BE IGNITED;

FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS
DECOMPOSITION PRODUCTS.

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTION;SWEEP UP OR
VACUUM AND COLLECT FOR PROPER DISPOSAL IN AN APPROVED CONTAINER.

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

Handling and Storage Precautions:USE AS DIRECTED

Other Precautions:WASH THOROUGHLY AFTER EACH USE.

===== Exposure Controls/Pe
rsonal Protection =====

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR
DUST/MIST/VAPORS IF ABOVE PEL/TLV OR SCBA IN AN ENCLOSED AREA.

Ventilation:LOCAL/GENERAL TO MAINTAIN PEL/TLV.

Protective Gloves:AS REQUIRED FOR WELDING

Eye Protection:SAFETY GLASSES/GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHINGS.EYE-WASH
FACILITIES,SAFETY SHOWER.

Work Hygienic Practices:AVOID CONTACT WITH EYES AND SKIN;DO NOT BREATHE
VAPORS/MIST/DUST.WASH THOROUGHLY AFTER EACH USE

;DO NOT
EAT,DRINK,SMOKE.
Supplemental Safety and Health
FOLLOW ALL PRECAUTIONS AS APPLICABLE FOR CUTTING AND WELDING .

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

HCC:N1
Appearance and Odor:SOLDER FLUX

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

Stability Indicator/Materials to Avoid:YES
NONE NOTEED
Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES
Hazardous Decomposition Products:TOXIC FUMES OR VAPORS FROM METAL BEIN
G
WELDED.(DEPENDS UPON METAL,PROCESS,PROCEDURES AND ELECTRODES BEING
USED)

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

Waste Disposal Methods:CONSULT LOCAL AUTHORITIES;DISPOSAL MUST BE IN
ACCORDANCE WITH LOCAL,STATE AND FEDERAL REGULATIONS

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