

MARCO CO WELD PRODUCTS DIV -- SOFT SOLDER FLUX-ACTIVE ACID MARCOLOY 1100
KIT,PART B -- 3439-01-030-2412

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

Product ID:SOFT SOLDER FLUX-ACTIVE ACID MARCOLOY 1100 KIT,PART B

MSDS Date:07/22/1994

FSC:3439

NIIN:01-030-2412

Kit Part:Y

MSDS Number: BWRKV

=== Responsible Party ===

Company Name:MARCO CO WELD PRODUCTS DIV

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:MO629

=== 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:MARCO CO WELD PRODUCTS DIV

Address:5722 UNION PACIFIC AVENUE

Box:City:LOS ANGELES

State:CA

ZIP:90022-5135

Country:US

Phone:213-723-0711

CAGE:MO629

Company Name:R & D METALS & CHEMICALS, INC

Address:201C

PERIMETER PARK

Box:22533

City:KNOXVILLE

State:TN

ZIP:37922-2233

Country:US

Phone:423-531-6065 / FAX: 423-531-2044

CAGE:56406

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

Ingred Name:ZINC CHLORIDE (SARA 313) (CERCLA)

CAS:7646-85-7

RTECS #:ZH1400000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1MG/M3/2STEL(FUME)95

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Other REC Limits:NONE RECOMMENDED

Ingred Name:AMMO

NIUM CHLORIDE (CERCLA)

CAS:12125-02-9

RTECS #:BP4550000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10 MG/M3

ACGIH TLV:10 MG/M3 FUME; 9495

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA 302/313)
(CERCLA)

CAS:7647-01-0

RTECS #:MW4025000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C 5 PPM

ACGIH TLV:C 5 PPM; 9495

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:METHYL ORANGE(BENZENESULFONIC
ACID,P-((P-((DIMETHYLAMINO)PHENYL)AZO)-),SODI

UM SALT
CAS:547-58-0
RTECS #:DB6327000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:NOT ESTABLISHED.
ACGIH TLV:NOT ESTABLISHED.

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, RESPIRATORY
& GI TRACTS. ACUTE- ORAL:HARMFUL. MAY CAUSE BURNS & ULCERATION TO
MO
UTH, THROAT, STOMACH. EYE/SKIN:CORROSIVE. MAY CAUSE CHEMICAL
BURNS. INHALATION:VAPORS/MISTS IRRITATE NOSE & THROAT. WELDING
FUMES & GASES CAN BE DANGEROUS TO HEALTH. ARC RAYS CAN INJURE
EYES/SKIN. CHRONIC- UNKNOWN.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:IRRITATION, CHEST DISCOMFORT, BURNS
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN
DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE
MORE SUSCEPTIBLE TO THE EFFECTS OF THIS
IS PRODUCT.

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

First Aid:GET IMMEDIATE MEDICAL HELP FOR ALL CASES OF EXPOSURE.
EYES/SKIN:FLUSH WITH WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS
OPEN. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NECESSARY.
ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, DRINK LARGE AMOUNT OF
MILK/WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
IF VOMITING OCCURS SPONTANEOUSLY, KEEP AIRWAY CLEAR.

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

Flash Point:NONE
Extinguishing Media:WATER FOG, CARBON DIOXIDE, HALON, FOAM/DRY
CHEMICAL. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS
COOL.
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND
NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL
FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.
Unusual Fire/Explosion Hazard:MAY FORM TOXIC OR CORROSIVE GASES.

===== Accidental Release M

asures =====

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. VENTILATE AREA.
STOP FLOW OF MATERIAL IF POSSIBLE. CONTAIN/ABSORB SPILLS WITH DRY
SAND, EARTH, VERMICULITE. CAREFULLY NEUTRALIZE WITH SODA ASH,
SODIUM BICARBONATE, LIME. DO NOT DISCHARGE TO SEWER OR WATERWAYS.
Neutralizing Agent:SODA ASH, LIME, SODIUM BICARBONATE

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

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINER AWAY
FROM INCOMPATIBLE MATERIALS.

Other Precautions:CORROSIVE. DO NOT GET IN EYES, ON SKIN, ON CLOTHING.
AVOID BREATHING VAPORS/MIST. USE WITH ADEQUATE VENTILATION. EMPTY
CONTAINERS RETAIN RESIDUE. KEEP OUT OF REACH OF CHILDREN. WASH
THOROUGHLY AFTER H ANDLING.

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

Respiratory Protection:USE NIOSH APPROVED SUPPLIED AIR RESPIRATORY
PROTECTION OR RESPIRABLE FUME RESPIRATOR WHEN WELDING, BRAZING OR
SOLDERING IN CON

FINED SPACE OR WHERE LOCAL EXHAUST VENTILATION DOES
NOT KEEP EXPOSURE BELO W 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:PVC OR WELDER'S GLOVES

Eye Protection:CHEMICAL SAFETY GOGGLES/FACE SHIELD

Other Protective Equipment:RUBBER SPLASH APRON, RUBBER BOOTS. EYEWASH
AND SAFETY SHOWER SHOULD BE LOCATED NEARBY.

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AN
D

RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING,
DRINKING/SMOKING.

Supplemental Safety and Health

KEY1:C1. THIS PRODUCT IS A KIT CONSISTING OF TWO PARTS. PART A, HAS PNI
A; PART B HAS PNI C, SAME NSN. FORMULA FOR PART B CHANGED. FOR
PREVIOUS FORMULATION, SEE PNI B, SAME NSN.

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

HCC:C1

NRC/State Lic Num:NOT RELEVANT

Solubility in Water:SOLUBLE

Appearance and Odor:RED LIQUID

===== Stability an

d Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

STRONG BASES

Stability Condition to Avoid: NONE

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

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

Waste Disposal Methods: CONTACT FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATORS FOR GUIDANCE REGARDING PROPER DISPOSAL. DO NOT CONTAMINATE ENVIRONMENT.

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