

MARCO CO WELD PRODUCTS DIV -- 1100 PASTE FLUX(WHITE), 1100 ACID LIQUID FL --
3439-01-030-2412

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

Product ID:1100 PASTE FLUX(WHITE), 1100 ACID LIQUID FL

MSDS Date:03/18/1988

FSC:3439

NIIN:01-030-2412

Kit Part:Y

MSDS Number: BKLLJ

=== 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:2

2533
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 III)
CAS:7646-85-7
RTECS #:ZH1400000
Other REC Limits:NONE SPECIFIED
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
Other REC Limits:NONE SPECIFIED
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
Other REC Limits:NONE SPECIFIED
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
Other REC Limits:NONE SPECIFIED
OSHA PEL:C 5 PPM
ACGIH TLV:C 5 PPM; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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Hazards Identification
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LD50 LC50 Mixture:IPR-MUS LD50: 300 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:CORROSIVE & IRRITATING TO EYES, SKIN,
AND MUCOUS MEMBRANES. INGESTION:HARMFUL, CORROSIVE TO GI TRACT.
INHALATION OF VAPORS WILL CAUSE IRRITATION OF RESPIRATORY TRACT.
CHRONIC:WILL PRODUCE SKIN SENSITI ZATION, CORNEAL ULCERATION,
RESPIRATORYPR

OBLEMS.

Effects of Overexposure:BURNS, PAIN, INFLAMMATION, IRRITATION,
COUGHING, DIFFICULTY IN BREATHING, ULCERATION, DERMATITIS.

Medical Cond Aggravated by Exposure:RESPIRATORY AND SKIN DISEASES.

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First Aid Measures
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First Aid:EYE-FLUSH WITH WATER FOR AT LEAST 15 MINUTES; GET MEDICAL
ATTENTION. SKIN-REMOVE CONTAMINATED CLOTHING AND WASH SKIN WITH
SOAP AND WATER. GET MEDICAL ASSISTANCE IF IRRITATION PERSISTS.

INHALATION-REMO VE TO
FRESH AIR AND GIVE CPR IF BREATHING HAS
STOPPED. GET MEDICAL ASSISTANCE. INGESTION-GET IMMEDIATE MEDICAL
ASSISTANCE.

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Fire Fighting Measures
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Extinguishing Media:NON-COMBUSTIBLE. USE DRY CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL
FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:MAY PRODUCE HAZARDOUS METAL FU
MES, CARBON

MONOXIDE & DIOXIDE, HYDROGEN FLUORIDE OR/& FLUORINE, AMMONIA-LIKE
FUMES, AND ZINC CHLORIDE FUMES.

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Accidental Release Measures
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Spill Release Procedures:ABSORB WITH SAND OR VERMICULITE AND SCOOP UP
AND CONTAINERIZE FOR PROPER DISPOSAL.

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Handling and Storage
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Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. STORE
IN COOL, DRY, WELL VENTED AREA AWAY FROM DIRECT SUNLIGHT

. KEEP AWAY

FROM HEAT, ACIDS, OXIDIZERS.

Other Precautions:EMPTY CONTAINERS MAY BE HAZARDOUS DUE TO RETAINED RESIDUE. DO NOT GET IN EYES, ON SKIN OR CLOTHING.

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

Respiratory Protection:WEAR SELF CONTAINED BREATHING APPARATUS IN HIGH VAPOR AREAS. DO NOT BREATHE VAPORS

Ventilation:PROVIDE ADEQUATE GENERAL AND LOCAL EXHAUST VENTILATION.

Protective Gloves:GLOVES

Eye Protection:SAFETY GOGGLES

Other Protective Equipment:NON

E SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. DISCARD CONTAMINATED CLOTHING.

Supplemental Safety and Health

KEY1:C1. THIS IS A TWO-PART KIT. PART A HAS PNI A, PART B HAS PNI B, SAME NSN. WHILE WELDING, FOLLOW PRECAUTIONS AS LISTED IN THE WELDING HANDBOOK OF AMERICAN WELDING SOCIETY.

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

HCC:C1

NRC/State Lic Num:NOT RELEVANT

Solubility in Water:SOLUBLE

Appearance and Odor:PASE FLU

X IS WHITE, ACID LIQUID FLUX IS RED.

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS AND BASES.

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:AMMONIA-LIKE FUMES, HYDROGEN CHLORIDE AND FLUORIDE FUMES, ZINC CHLORIDE FUMES.

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

Waste Disposal Methods:COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

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th this information by the compiling agencies):

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