

MARCO CO -- SOFT SOLDER FLUX ACTIVE ACID -- 3439-01-069-9176

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Product Identification
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Product ID:SOFT SOLDER FLUX ACTIVE ACID

MSDS Date:10/20/1999

FSC:3439

NIIN:01-069-9176

Status Code:A

MSDS Number: CLLGY

=== 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:3

23 723-0711

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:MARCO CO.,AMERICAN CHEMICAL AND FLUX PRODUCTS DIV.

Address:5722 UNION PACIFIC AVENUE

Box:City:LOS ANGELES

State:CA

ZIP:90022-5135

Country:US

Phone:213-723-0713

CAGE:NO329

Company Name:PERFORMANCE ALLOYS

Address:1212 HIGHLAND AVENUE

Box:City:MANHATTAN BEACH

State:CA

ZIP:90266

Country:US

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hone:310-546-8459
Contract Num:SP0-490-01-M-XH39
CAGE:0A4S7
Company Name:PERFORMANCE ALLOYS
Address:1212 HIGHLAND AVENUE
Box:City:MANHATTAN BEACH
State:CA
ZIP:90266
Country:US
Phone:310-546-8459
Contract Num:SP0490-01-M-XH39
CAGE:0A4S7

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Composition/Information on Ingredients
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Ingred Name:ZINC CHLORIDE
CAS:7646-85-7
RTECS #:ZH1400000
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3 FUME
ACGIH STEL:2 MG/M3
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:AMMONIUM CHLORIDE
CAS
:12125-02-9
RTECS #:BP4550000
OSHA PEL:10 MG/M3
ACGIH TLV:10 MG/M3 FUMES
ACGIH STEL:20 MG/M3
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:HYDROCHLORIC ACID
CAS:7647-01-0
RTECS #:MW4025000
OSHA PEL:C7 MG/M3;C5 PPM
ACGIH TLV:5.0 MG/M3
ACGIH STEL:C7.5 MG/M3;C5 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:METHYL ORANGE
CAS:547-58-0
RTECS #:DB6327000

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION: IRRITATES RESPIRATORY
SYSTEM. SKIN: IRRITATION, BURNS. EYES: IRRITATION, BURNS.
INGESTION: N/P.
Explanation of Carcinogenicity:CARCINOGENICITY: NO; NTP: NO; OSHA
REGULATED: NO.
Effects of Overexposure:SKIN AND EYE IRRITATION.
Medical Cond Aggravated by Exposure:SKIN IRRITATION.

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

First Aid:EYES:ZINC CHLORIDE CAN CAUSE B
URNS. FLUSH WITH WATER. SKIN:
ZINC CHLORIDE CAN CAUSE BURNS. FLUSH WITH WATER. INGESTION: IF
SWALLOWED, DO NOT INDUCE VOMITING. GIVE PLENTY OF WATER OR MILK.

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

Flash Point Method:TOC
Flash Point:=-105.C, 221.F
Lower Limits:0
Upper Limits:0
Extinguishing Media:N/A. FIREFIGHTING SHOULD BE AIMED AT SURROUNDING
MATERIALS.
Fire Fighting Procedures:FIREFIGHTERS SHOULD WEAR EYE PROTECTION AND
SELF CONTAINED BREATHING UN
ITS IN ENCLOSED SPACE.
Unusual Fire/Explosion Hazard:WHEN HEATED THE MATERIALS MAY RELEASE
ZINC CHLORIDE AND ZINC OXIDE FUMES, THE FLUX MAY ALSO RELEASE
HYDROGEN CHLORIDE GAS AND WATER VAPOR.

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

Spill Release Procedures:PREVENT WASTE FROM CONTAMINATING SURROUNDING
ENVIRONMENT. NEUTRALIZE WITH SODIUM CARBONATE OR TRI-SODIUM
PHOSPHATE. CONTAIN SPILL, DISPOSE ACCORDING TO FEDERAL, STATE, OR
LOCAL REGULATIONS.
Neu
tralizing Agent:SODIUM CARBONATE, TRI-SODIUM PHOSPHATE.

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

Handling and Storage Precautions:STORE MATERIAL IN CLOSED CONTAINERS AT
ROOM TEMPERATURES UNDER NORMAL STORAGE AND HANDLING.
Other Precautions:TRAIN WELDERS TO KEEP HEAD OUT OF THE FUMES BY
WEARING PROTECTIVE RESPIRATORS IN CONFINED AREAS.

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

Respiratory Protection:TRAIN WELDERS TO KEEP HEAD OUT OF

THE FUMES BY

WEARING PROTECTIVE RESPIRATORS IN CONFINED AREAS.

Ventilation:KEEP THE FUMES AND GASES BELOW TLV'S IN WORKERS AREA WITH PROPER VENTILATION.

Protective Gloves:GLOVES SHOULD BE WORN IN CASE OF SPLASHING.

Eye Protection:PROTECTIVE FACE SHIELD OR SAFETY GLASSES.

Other Protective Equipment:APRONS, ARM PROTECTORS, HATS.

Supplemental Safety and Health

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

HCC:C1

Vapor Pres:0.75 PSIG

pH:2.0-3.0

Solubility in Water:YE

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Appearance and Odor:RED LIQUID. NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

INCOMPATIBLE WITH CYANIDES.

Stability Condition to Avoid:STABLE MATERIAL IN CLOSED CONTAINERS AT ROOM TEMPERATURES UNDER NORMAL STORAGE AND HANDLING CONDITIONS.

Hazardous Decomposition Products:CARBON MONOXIDE AND/OR CARBON DIOXIDE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

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Waste Disposal Methods:DISCARD ANY PRODUCT RESIDUE, DISPOSABLE CONTAINER,OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER, IN FULL COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

===== MSDS Transport Information =====

Transport Information:DOT INFORMATION: CORROSIVE LIQUID SOLUTION; CLASS 8; UN 1840; CORROSIVE LABEL.

===== Other Information =====

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the compiling agencies):

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