

AMERICAN CHEMICAL & FLUX PRODUCTS -- SOFT SOLDER FLUX ACTIVE ACID -- 3439-00-145-9132

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

Product ID:SOFT SOLDER FLUX ACTIVE ACID

MSDS Date:10/20/1999

FSC:3439

NIIN:00-145-9132

MSDS Number: CJZDF

=== Responsible Party ===

Company Name:AMERICAN CHEMICAL & FLUX PRODUCTS

Address:5722 UNION PACIFIC AVE

City:LOS ANGELES

State:CA

ZIP:90022

Country:US

Info Phone Num:323=72

3-0713/0711

Emergency Phone Num:323-723-0713

Preparer's Name:BARRY J. MARDEN

CAGE:TO469

=== Contractor Identification ===

Company Name:AMERICAN CHEMICAL & FLUX PRODUCTS DIV OF MARCO COMPANY

Address:5722 UNION PACIFIC AVE

City:LOS ANGELES

State:CA

ZIP:90022

Country:US

Phone:323-723-0713/0711

CAGE:TO469

Company Name:JO-JON INC

Address:360 FREEPORT BLVD SUITE 1 & 2

Box:UNKNOW

City:SPARKS

State:NV

ZIP:89431

Country:US

Phone:702-356-6988

Contract Num:SP0450-00-M-Q205

CAGE:009J0

Company Name:JO-JON IN

C  
Address:360 FREEPORT BLVD SUITE 1 & 2  
Box:UNKNOWN  
City:SPARKS  
State:NV  
ZIP:89431  
Country:US  
Phone:702-356-6988  
Contract Num:SP0490-99-M-RL96  
CAGE:009J0

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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  
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  
ACGIH STEL:20 MG/M3  
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PA 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 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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LD50 LC50 Mixture:NONE SPECIFIED BY RESPONSIBLE PARTY.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health

Hazards Acute and Chronic:IRRITATES THE RESPIRATORY SYSTEM.  
CAUSES SKIN AND EYE IRRITATION.

Effects of Overexposure:INHALATION:IRRITATES RESPIRATORY SYSTEM. SKIN  
AND EYE IRRITATION.

Medical Cond Aggravated by Exposure:SKIN IRRITATION.

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

First Aid:INHALATION: MOVE TO FRESH AIR. SKIN/EYES: ZINC CHLORIDE CAN  
CAUSE BURNS TO SKIN AND EYES-FLUSH WITH WATER. 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

Extinguishing Media:FIRE FIGHTING SHOULD BE AIMED AT SURROUNDING  
MATERIALS.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR EYE PROTECTION AND  
SELF CONTAINED BREATHING UNITS IN ENCLOSED SPACE.

Unusual Fire/Explosion Hazard:WHEN HEATED THIS MATERIAL MAY RELEASE  
ZINC CHLORIDE AND ZINC OXIDE FUMES.THE FLUX MAY ALSO RELEASE  
HYDROGEN CHLORIDE GAS AND WATE  
R VAPOR.

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

Spill Release Procedures:NEUTRALIZE WITH SODIUM CARBONATE OR TRI-SODIUM  
PHOSPHATE. CONTAIN SPILL. DISPOSE OF ACCORDING TO FEDERAL, STATE,  
OR LOCAL REGULATIONS.

Neutralizing Agent:SODIUM CARBONATE OR TRI-SODIUM PHOSPHATE.

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

Handling and Storage Precautions:TRAIN WELDERS TO KEEP OUT OF THE FUMES  
BY WEARING PROTECTIVE RESPIRATORS IN CONFINED  
AREAS.

Other Precautions:NONE SPECIFIED BY RESPONSIBLE PARTY.

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

Respiratory Protection:RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED  
RESPIRATOR WHEN USING IN CONFINED AREAS. TO DETERMINE THE QUANTITY  
OF FUMES AND GAS IN WELDERS WORKING AREA TAKE AN AIR SAMPLE UDER  
THE WELDERS HOOD.

Ventilation:KEEP THE FUMES AND GASES BELOW TLVS IN WORK AREA WITH  
PROPER VENTILATION.

Protective Gloves:SHOULD BE WORN IN CASE OF SPLASH

ING.  
Eye Protection:SAFETY GLASSES OR FACE SHIELD.  
Other Protective Equipment:APRONS, ARM PROTECTORS, HATS, RESPIRABLE  
FUME RESPIRATOR OR AIR-SUPPLIED RESPIRATOR.  
Work Hygienic Practices:NONE SPECIFIED BY RESPONSIBLE PARTY.  
Supplemental Safety and Health  
NONE SPECIFIED BY RESPONSIBLE PARTY.

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

HCC:C1  
Vapor Pres:38.8 MM HG  
pH:2.0-3.0  
Solubility in Water:YES  
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 DIOXIDE.  
Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:NONE SPECIFIED BY RESPONSIBLE PARTY.

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===== Ecological Information =====

Ecological:NONE SPECIFIED BY RESPONSIBLE PARTY.

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING  
ENVIRONMENT. 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 =====

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Transport Information:DOT INFORMATION: PROPER SHIPPING NAME: CORROSIVE LIQUID SOLUTION, UN1840 , HAZARD CLASS: 8, LABEL: CORROSIVE.

===== Regulatory Information =====

SARA Title III Information:NONE SPECIFIED BY RESPONSIBLE PARTY.  
Federal Regulatory Information:NONE SPECIFIED BY RESPONSIBLE PARTY.  
State Regulatory Information:NONE SPECIFIED BY RESPONSIBLE PARTY.

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

Disclaime  
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