

AMERICAN CHEMICAL & FLUX PRODUCTS -- SOFT SOLDER FLUX-ACTIVE ACID -- 3439-00-250-2629

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

Product ID:SOFT SOLDER FLUX-ACTIVE ACID

MSDS Date:02/17/1997

FSC:3439

NIIN:00-250-2629

MSDS Number: CCLPV

=== 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:213-723

-0713

Emergency Phone Num:213-723-0713

CAGE:OBTX0

=== Contractor Identification ===

Company Name:AMERICAN CHEMICAL CORP

Address:35555 CURTIS BLVD

Box:City:EAST LAKE

State:OH

ZIP:44094

Phone:215-943-7600

CAGE:OBTX0

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

CAGE:009J0

Company Name:SPECIALTY WELDING SUPPLY

Box:UNKNOW

CAGE:09654

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

Ingred Nam

e: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)96  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:WATER (DEIONIZED)  
CAS:7732-18-5  
RTECS #:ZC0110000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:NOT RELEVANT  
ACGIH TLV:NOT RELEVANT

Ingred Name:AMMONIUM CHLORIDE (CERCLA)  
CAS:12125-02-9  
RTECS #:BP4550000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 MG/M3  
ACGIH TLV:10 MG/M3 FUME; 9596  
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; 9596  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:METHYL ORANGE(BENZENESULFONIC  
ACID,P-((P-((DIMETHYLAMINO)PHENYL)AZO)-,SODIUM 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 NOT RELEVANT.

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:EYE, SKIN, RESPIRATORY & GI TRACTS. ACUTE- CORROSIVE. CAN CAUSE EYES, SKIN, RESPIRATORY & GI TRACTS SEVERE IRRITATION & BURNS. FUMES & GASES FROM WELDING CAN BE DANGEROUS TO YOUR HEALTH. ARC RAYS CAN INJURE EYES & BURN SKIN. OV

OVEREXPOSURE MAY CAUSE DIZZINESS, CHEST PAIN. CHRONIC- AFFECTS PULMONARY FUNCTION

Explanation of Carcinogenicity:NONE

Effects of Overexposure:SEVERE IRRITATION AND BURNS, COUGHING, CHOKING, CHEST PAIN, DIFFICULTY IN BREATHING, DIFFICULTY IN SWALLOWING, SEVERE ABDOMINAL PAIN, NAUSEA, VOMITING, DIARRHEA, COLLAPSE AND UNCONSCIOUSNESS, TEARING

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION SUCH AS ASTHMA, BRONCHITIS, EMPHYSEMA MAY BE MORE SUSCEPTIBLE TO THE

EFFECTS OF THIS PRODUCT.

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

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EMPLOY FIRST AID TECHNIQUE RECOMMENDED BY RED CROSS. IF BREATHING IS DIFFICULT, PROVIDE OXYGEN/CPR. FOR ELECTRIC SHOCK, DISCONNECT POWER. FOR ARC BURNS, APPLY COLD, CLEAN COMPRESSES & CALL A PHYSICIAN. IF EYE CONTACT, FLUSH WITH WATER FOR 15 MINUTES. IF INGESTED, CALL

PHYSICIAN/POISON CONTROL CENTER. IF SKIN CONTACT, WASH WITH SOAP & WATER.

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

Flash Point Method:TOC

Flash Point:221F,105C

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSI

TIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:WELDING ARC AND SPARKS CAN IGNITE  
COMBUSTIBLES.

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

Spill Release Procedures:WEAR PROPER PROTECTIVE EQUIPMENT. VENTILATE  
AREA. NEUTRALIZE SPILLS WITH SODIUM CARBONATE. PLACE MATERIAL INTO  
CLEAN CONTAINER FOR DISPOSAL. WASH SPILL AREA WITH WATER.

Neutralizing Agent:SODA ASH (SODIUM CARBONATE), TRI-SODIUM PHOSPHATE

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

=====

Handling and Storage Precautions:STORE IN COOL, VENTILATED PLACE. KEEP  
CONTAINERS TIGHTLY CLOSED. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:CORROSIVE. DO NOT GET IN EYES, ON SKIN/CLOTHING.  
AVOID BREATHING VAPORS/MIST/GAS. USE WITH ADEQUATE VENTILATION.  
PROTECT CONTAINERS AGAINST PHYSICAL DAMAGE.

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

Respiratory Protection:USE NIOSH APPROVED SUPPLIED AIR RESPIRATORY  
PROTECTION OR RESPIRABLE FUME  
RESPIRATOR WHEN WELDING, BRAZING OR  
SOLDERING IN CONFINED SPACE OR WHERE LOCAL EXHAUST VENTILATION DOES  
NOT KEEP EXPOSURE BELOW 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:WELDER'S GLOVE WHEN WELDING/RUBBER

Eye Protection:HELMET OR USE FACE SHIELD + FILTER LENS

Other Protective Equipment:EYEWASH AND SAFETY SHOWER SHOULD BE LOCATED  
NEARBY.

Work Hygienic Practices:OBSERVE  
GOOD INDUSTRIAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES. TRAIN WELDER NOT TO TOUCH LIVE ELECTRICAL  
PARTS.

Supplemental Safety and Health

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

HCC:C1

NRC/State Lic Num:NOT RELEVANT

Vapor Pres:115

pH:2 - 3

Solubility in Water:SOLUBLE

Appearance and Odor:RED LIQUID - ODORLESS

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

Stability Indicator/Materials to Avoid:YES

NONE

Stability Condition to Avoid

:NONE

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

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. KEEP PERSONNEL AWAY. DISCARD ANY PRODUCT, RESIDUE, DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER, IN FULL COMPLIANCE WITH LOCAL, STATE AND FEDERA

L  
REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their

particular situation.