

EAST WEST RESEARCH INC. -- FLUX, AQUARIUS SOLDER -- 3439-00-064-9898

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Product Identification  
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Product ID:FLUX, AQUARIUS SOLDER  
MSDS Date:01/01/1987  
FSC:3439  
NIIN:00-064-9898  
MSDS Number: BRGQY  
=== Responsible Party ===  
Company Name:EAST WEST RESEARCH INC.  
Address:32 GALLI DRIVE  
City:NOVATO  
State:CA  
ZIP:94949  
Country:US  
Info Phone Num:415-883-2517 (OUT OF BUSINESS)  
Emergency Phone Num:415-883-2517  
Preparer's Name:DGSC-HMIS 804-279-4371  
CAGE:60217  
=== Contractor Identification ===  
Company Name:EAST WEST RESEARCH  
Address:32 GALLI DRIVE  
Box:City:NOVATO  
State:CA  
ZIP:94947-5791  
Country:US  
Phone:415-883-2517  
CAGE:60217

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Composition/Information on Ingredients  
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Ingred Name:POTASSIUM BIFLUORIDE (POTASSIUM HYDROGEN FLUORIDE)  
CAS:7789-29-9  
RTECS #:TS6650000  
Minumum % Wt:10.  
Maxumum % Wt:30.  
Other REC Limits:NONE SPECIFIED BY M.  
OSHA PEL:2.5 MG/M3 (F)  
ACGIH TL

V:2.5 MG/M3 (F); 8990

Ingred Name:POTASSIUM FLUOBORATE (POTASSIUM BORO FLUORIDE)

CAS:14075-53-7

RTECS #:ED2800000

Minumum % Wt:5.

Maxumum % Wt:20.

Other REC Limits:NONE SPECIFIED BY M.

OSHA PEL:2.5 MG/M3 (F)

ACGIH TLV:2.5 MG/M3 (F); 8990

Ingred Name:POTASSIUM TETRABORATE

CAS:1332-77-0

Minumum % Wt:15.

Maxumum % Wt:25.

Other REC Limits:NONE SPECIFIED BY M.

OSHA PEL:NONE ESTABLISHED

ACGIH TLV:NONE ESTABLISHED

Ingred Name:POTASSIUM FLUORIDE

CAS:7789-23-3

RTECS #:TT0700000

Minumum % Wt:5.

Maxumum

% Wt:15.

Other REC Limits:NONE SPECIFIED BY M.

OSHA PEL:2.5 MG/M3 (F)

ACGIH TLV:2.5 MG/M3 (F); 8990

Ingred Name:BORIC ACID

CAS:10043-35-3

RTECS #:ED4550000

Minumum % Wt:25.

Maxumum % Wt:40.

Other REC Limits:NONE SPECIFIED BY M.

OSHA PEL:NONE ESTABLISHED

ACGIH TLV:NONE ESTABLISHED

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Minumum % Wt:15.

Maxumum % Wt:35.

OSHA PEL:NONE ESTABLISHED

ACGIH TLV:NONE ESTABLISHED

==== Hazards Identification =====

Routes o

f Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:PRODUCT IS CORROSIVE TO BODY TISSUES.

IT WILL CAUSE FLUORIDE BURNS AND CHRONIC FLUORIDE POISONING. IT  
POSES NO INHALATION HAZARD,BUT IN USE HAZARDOUS FLUORIDES MAY BE  
EVOLVED. CHRONIC EXPOSURE MAY DAM AGE KIDNEYS,LIVER,LUNGS OR CAUSE  
FLUORIOSIS.

Effects of Overexposure:FLUORIDES PRODUCE SEVERE BURNS NOT IMMEDIATELY  
PAINFUL OR APPARENT. CHRONIC

EXPOSURES MAY CAUSE WEIGHT LOSS,  
BRITTLE BONES,ANEMIA,WEAK JOINTS.

Medical Cond Aggravated by Exposure:LUNGS,LIVER,KIDNEYS.

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

First Aid:EYE:FLUSH WITH WATER 15 MIN. SKIN:WASH WITH SOAP & WATER.  
INHAL:REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION OR OXYGEN AS  
NEEDED. INGESTION:DO NOT INDUCE VOMITING. GIVE LARGE QUANTITY OF  
MILK OR W ATER.(NOTHING BY MOUTH IF UNCONSCIOUS.)GET IMMEDIATE  
MEDICAL ATTENTION. I

F ANY IRRITATION PERSISTS OR IS SEVERE,GET  
PROMPT MEDICAL CARE, ESPECIALLY IF FLUORIDE BURN IS SUSPECTED.

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

Flash Point:NONE

Extinguishing Media:CARBON DIOXIDE,DRY CHEMICAL,FOAM,WATER FOG.USE  
MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR SELF CONTAINED BREATHING APPARATUS AND  
FULL PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:WILL RELEASE TOXIC FLUORIDES IN FIRE  
CONDITIONS.

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

Spill Release Procedures:WIPE UP PASTE AVOIDING PERSONAL CONTACT. FLUSH  
AREA WITH WATER.

Neutralizing Agent:LIME

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

Handling and Storage Precautions:STORE IN A COOL,DRY,WELL VENTILATED  
AREA.DO NOT STORE IN GLASS OR PORCELAIN CONTAINERS.

Other Precautions:REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE  
REUSE.

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===== Exposure Controls/Personal Protect

ion =====

Respiratory Protection:IF SOLDERING OR BRAZING, USE NIOSH APPROVED RESPIRATOR EQUIPPED WITH CARTRIDGE FOR FLUORIDE VAPORS/MISTS OR SUPPLIED AIR RESPIRATOR IF EXPOSED ABOVE TLV/PEL.  
Ventilation:USE NORMAL ROOM VENTILATION SUPPLEMENTED WITH LOCAL EXHAUST TO CONTROL EXPOSURES BELOW PEL/TLV.  
Protective Gloves:RUBBER,PLASTIC,OTHER IMPERVIOUS.  
Eye Protection:SAFETY GLASSES OR SPLASH GOGGLES.  
Other Protective Equipment:RUBBER APRON OR OTHER AS REQUIRED TO MINIMIZE EXPOSURE FOR TASK AT HAND.

Work Hygienic Practices:USE STRICT CHEMICAL HYGIENE PRACTICE. AVOID ALL CONTACT IF POSSIBLE.WASH THOROUGHLY AFTER USING.

Supplemental Safety and Health  
MFR IS OUT OF BUSINESS AND IS UNLISTED. INFORMATION PRESENTED HEREIN IS ACCURATE AND RELIABLE TO THE BEST OF OUR KNOWLEDGE AND BELIEF BUT IS NOT GUARANTEED TO BE SO. IT IS THE USER'S RESPONSIBILITY TO TAKE ALL SAFETY PRECAUTIONS AS MAY BE NECESSARY. WE HEREBY DISCLAIM ALL LIABILITY WITH RESPECT TO IT'S USE.

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

HCC:C1  
Spec Gravity:1.6  
Evaporation Rate & Reference:0.3 (WATER)  
Solubility in Water:MODERATE  
Appearance and Odor:WHITE ODORLESS PASTE.  
Percent Volatiles by Volume:30

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

Stability Indicator/Materials to Avoid:YES  
GLASS,PORCELAIN.  
Stability Condition to Avoid:EXCESS HEAT.  
Hazardous Decomposition Products:WILL RELEASE HYDROFLUORIC ACID AND/OR BORON TRIFLUORIDE.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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