

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

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

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

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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

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

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 TLV:2.5 MG/M3 (F); 8990

Ingred Name:POTASSIUM FLUOBORATE (POTASSIU

M 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/M
3 (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 of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carci

nogenicity: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 J
OINTS.

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

===== 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. IF ANY IRRITATION PERSISTS OR IS SEVERE,GET
PROMPT MEDICAL CAR
E, ESPECIALLY IF FLUORIDE BURN IS SUSPECTED.

===== 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.

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

Spil

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

Neutralizing Agent:LIME

===== 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 LAUNDER BEFORE
REUSE.

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

Respiratory Protection:IF SOLDERING OR BRAZIN

G, 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 CHEMI
CAL HYGIENE PRACTICE. AVOID ALL
CONTACT IF POSSIBLE.WASH THOROUGHLY AFTER USING.

Supplemental Safety and Health
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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 =====
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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 ==
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Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS.

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