



**Chemical Name:** Aircosil Flux

**Manufacturer:** Airco

**Container Size:** 12 oz.

**Location:** VLA Site

**Disposal:** Place empty container in trash. Give partial or full container to safety officer.

AMERICAN SOLDER AND FLUX CO INC FORCE CHEMICAL DIV -- AIRCOSIL 12  
SQUEEZE -- 3439-00N028033

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Product Identification  
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Product ID: AIRCOSIL 12 SQUEEZE  
MSDS Date: 06/01/1988  
FSC: 3439  
NIIN: 00N028033  
MSDS Number: BNMGZ  
=== Responsible Party ===  
Company Name: AMERICAN SOLDER AND FLUX CO INC FORCE CHEMICAL DIV  
Address: 28 INDUSTRIAL BLVD  
City: PAOLI  
State: PA  
ZIP: 19301  
Country: US  
Info Phone Num: 215-647-3575 800-647-3575 DAY  
Emergency Phone Num: 800-424-9300  
CAGE: 70540

=====  
Contractor Identification  
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Company Name: AMERICAN SOLDER AND FLUX CO INC FORCE CHEMICAL DIV  
Address: 28 INDUSTRIAL BLVD  
Box: City: PAOLI  
State: PA  
ZIP: 19301  
Country: US  
Phone: 800-424-9300  
CAGE: 70540

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Composition/Information on Ingredients  
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Ingred Name: BORIC ACID  
CAS: 10043-35-3  
RTECS #: ED4550000  
ACGIH TLV: 10MG/M3 (B\*20\*3) (MFR)

Ingred Name: POTASSIUM TETRABORATE  
CAS: 1332-77-0  
ACGIH TLV: 10MG/M3 (B\*20\*3) (MFR)

Ingred Name: WATER  
CAS: 7732-18-5  
RTECS #: ZC0110000

Ingred Name: POTASSIUM ACID FLUORIDE; (POTASSIUM BIFLUORIDE)  
CAS: 7789-29-9  
RTECS #: TS6650000  
ACGIH TLV: 2 MG/M3 (F) (MFR)

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Hazards Identification  
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LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation: YES Skin: NO Ingestion: YES  
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO  
Health Hazards Acute and Chronic: INGEST: CHEMICAL BURNS TO DIGESTIVE  
SYSTEM. MAY CAUSE NAUSEA AND DIARRHEA. INFLAMMATION OF MUCOUS

MEMBRANES. SKIN:DERMATITIS, POSSIBLY A CHEMICAL BURNS.  
INHAL:IRRITATION TO RESPIRATORY SYSTEM, CHILLS O R UNPRODUCTIVE  
COUGH. EYE:IRRITATION TOEYES AND POSSIBLE BURN OF EYE SURFACES.  
TARGET ORGANS:SKIN, (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HLTH HAZ:NASAL, & RESPIRATORY IRRITANT. CHRONIC  
EFFECTS:COUGHING, CNS EFFECTS, ERYTHEMA, NAUSEA, CHRONIC FLUORIDE  
ABSORPTION CAN RESULT IN OSSEOUS FLUOROSIS, INCREASED RADIOGRAPHIC  
DENSITY OF THE BONE S AND MOTTILING OF TEETH.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INGEST:CALL MD OR POISON CONTROL CENTER IMMEDIATELY.  
SKIN:PROMPTLY FLUSH WITH WATER TO REMOVE ALL RESIDUE. IF RASH  
DEVELOPS, CALL MD. INHAL:MOVE TO FRESH AIR. GIVE O\*2 IF NECESSARY.  
CALL MD. EYE:FLUSH WITH WATER FOR AT LEAST 15 MINUTES TO REMOVE  
ALL RESIDUE. GET MD, CORNEAL DAMAGE IS VERY POSSIBLE.

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

Flash Point Method:TCC  
Extinguishing Media:NONE, PRODUCT IS AN INHERENT FIRE RETARDANT. USE  
MEDIA SUITABLE FOR SURROUNDING FIRE CONDITIONS .  
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL  
PROTECTIVE EQUIPMENT .  
Unusual Fire/Explosion Hazard:NONE.

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

Spill Release Procedures:CONTAIN SPILL, ABSORB, SWEEP-UP, DISPOSE.  
FLUSH AREA WITH WATER TO CHEMICAL SEWER.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:WASH HANDS THOROUGHLY AFTER HANDLING  
TO REMOVE ALL RESIDUE. STORE FLUX UNDER AMBIENT CONDITIONS.  
Other Precautions:REMOVE AND PROFESSIONALLY WASH CONTAMINATED CLOTHING  
BEFORE RE-USE.

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

Respiratory Protection:IF THE WORK STATION IS NOT VENTILATED TO REMOVE  
ALL DUSTS & FUMES, USE NIOSH/MSHA APPROVED MASK.  
Ventilation:MAINTAIN AIR FLOW AWAY FROM USER TO EXHAUST ALL DUSTS AND  
FUMES SO THAT TLV IS NEVER EXCEEDED.  
Protective Gloves:CHEMICAL IMPERVIOUS GLOVES.  
Eye Protection:CHEMICAL WORKERS GOGGLES .  
Other Protective Equipment:FULL PROTECTIVE EQUIPMENT AS USED IN  
BRAZE/WELDING OPERATIONS SO AS TO PREVENT ANY CONTACT.  
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.  
Supplemental Safety and Health  
NONE SPECIFIED BY MANUFACTURER.

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

HCC:N1

Boiling Pt:B.P. Text:212F,100C

Spec Gravity:1.55

Solubility in Water:MODERATE

Appearance and Odor:SMOOTH WHITE PASTE, WITH NO CHARACTERISTIC ODOR

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

Stability Indicator/Materials to Avoid:YES

ACETIC ANHYDRIDE, ELEMENTAL POTASSIUM.

Stability Condition to Avoid:NONE.

Hazardous Decomposition Products:HYDROGEN FLUORIDE AND CAUSTIC POTASH.

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

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

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