

AMERICAN SOLDER & FLUX CO INC FORCE INDUSTRIES DIV -- AIRCO 162 MARVEL --  
3439-00-347-5226

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

Product ID: AIRCO 162 MARVEL

MSDS Date: 01/03/1994

FSC: 3439

NIIN: 00-347-5226

MSDS Number: BWKVY

=== Responsible Party ===

Company Name: AMERICAN SOLDER & FLUX CO INC FORCE INDUSTRIES DIV

Address: 28 INDUSTRIAL BLVD

City: PAOLI

State: PA

ZIP: 19301-5000

Country: US

Info Phone Num: 2

15-647-3575

Emergency Phone Num: 215-647-3575

CAGE: 70540

=== Contractor Identification ===

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

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

Ingred Name: BORIC ACID, ORTHOBORIC ACID

CAS: 10043-35-3

RTECS #: ED4550000

OSHA PEL: 10 MG/CUM

Ingred Name: SODIUM TETRABORATE DECAHYDRATE, SODIUM BORATE, BORAX,  
ANHYDROUS

BORAX  
CAS:1303-96-4  
RTECS #:VZ2275000  
OSHA PEL:1 MG/CUM  
ACGIH TLV:5 MG/CUM

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===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALATION: RESPIRATORY TRACT  
IRRITATION. SKIN: MILD DERMATITIS/IRRITATION. EYES: MILD  
IRRITATION. CHRONIC EXPOSURE MAY CAUSE CNS EFFECTS.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:IRRITA  
TION, COUGHING, ERYTHEMA, NAUSEA,  
VOMITING, DIARRHEA, SNEEZING.  
Medical Cond Aggravated by Exposure:EXISTING LUNG, SKIN, EYE DISORDERS.

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

First Aid:SKIN: WASH W/SOAP & WATER TO REMOVE ALL RESIDUE. INHALATION:  
REMOVE TO FRESH AIR. EYES: FLUSH W/WATER FOR 15 MINS TO REMOVE ALL  
RESIDUE. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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

Extinguishing Media:NONE  
-PRODUCT IS AN INHERENT RETARDANT.  
Fire Fighting Procedures:WEAR SELF CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:CONTAIN, ABSORB/SWEEP UP. REMOVE TO CHEMICAL  
SEWER. FLUSH AREA TO CHEMICAL SEWER.

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

Handling and Storage Precautions:STORE MATERIAL UNDER AMBIENT  
CONDITIONS.  
Other Precautions:DON'T WEAR CONTAC

T LENSES.

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

Respiratory Protection:WEAR NIOSH APPROVED MASK IF WORK STATION ISN'T PROPERLY VENTILATED TO EXHAUST ALL FUMES/VAPORS/DUSTS.

Ventilation:MAINTAIN AIR FLOW AWAY FROM USER TO REMOVE ALL FUMES/VAPORS/DUSTS SO THE PEL IS NEVER EXCEEDED.

Protective Gloves:CHEMICAL & OIL IMPERVIOUS

Eye Protection:CHEMICAL TIGHT SAFETY GOGGLES

Other Protective Equipment:FULL PROTECTIVE EQUIPMENT NORMALLY USED IN BRAZE/WELDING OPERATION

Work Hygienic Practices:REMOVE & PROFESSIONALLY WASH CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

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

Spec Gravity:1.72

Solubility in Water:MODERATE

Appearance and Odor:WHITE, GRANULAR POWDER W/NO CHARACTERISTIC ODOR.

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

Stability Indicator/Materials to Avoid:YES

ACETIC ANHYDRIDE, ELEMENTAL POTASSIUM.

Stability Condition to Avoid:

NONE

Hazardous Decomposition Products:BORON OXIDE FUMES.

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

Waste Disposal Methods:DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS.

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