

UNION CARBIDE -- BRAZO FLUX -- 3439-00-255-4572

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

Product ID:BRAZO FLUX
MSDS Date:01/01/1987
FSC:3439
NIIN:00-255-4572
MSDS Number: BDPDL
=== Responsible Party ===
Company Name:UNION CARBIDE
Emergency Phone Num:304-744-3487
CAGE:07098
=== Contractor Identification ===
Company Name:UNION CARBIDE
Phone:800-822-4357
CAGE:07098
Company Name:UNION CARBIDE CORP LINDE DIV
Address:39 OLD RIDGEBURY RD
Box:City:DANBURY
State:CT
ZIP:06817-0001
Country:US
Phone:800-822-4357; 304-744-3487
CAGE:36346

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

Ingred Name:SODIUM TETRABORATE, DECAHYDRATE
CAS:1303-96-4
RTECS #:VZ2275000
Fraction by Wt: <20%
OSHA PEL:10 MG/M3
ACGIH TLV:5 MG/M3; 9192

Ingred Name:BORIC ACID
CAS:10043-35-3
RTECS #:ED4550000
Fraction by Wt: <85%

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

Effects of Overexposure:SKIN & EYE IRRIT.BRAZNG/GAS WELDING PRODUCT
FUMES WHICH CAN HARM HEALTH & HEARING.RADIATN-INJURE EYE

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

First Aid:WASH SKIN THOROUGHLY W/SOAP & WATER.FLUSH EYES IMMED. W/WATER
FOR AT LEAST 15 MIN,CALL MD.IF INGESTED,CALL MD.IF BREATHING
DIFFICULT,GIVE OXYGEN,CALL MD. SEE SUPP DATA.

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

Extinguishing Media:WILL NOT BURN, USE WATER TO COOL

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

Spill Release Procedures:AVOID BRTHG OF DUST.SCOOP UP MATERIAL & FLUSH
RESIDUE W/WATER TO CHEMICAL SEWER.

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

Handling and Storage Precautions:WELDING FUMES CANNOT BE CLASSIFIED
SIMPLY.COMPOSITN & QUANTITY DEPENDENT ON ALLOY BEING WELDED &
MATERIALS USED.STORE IN CLOSD CONTAINERS, DRY CONDTNS
Other Precautions:ABSORPTN OF BORIC ACID THRU DAMAGE SKIN OR INHALATN
MAY RESULT IN DEPRESSN SHOCK, RESP & CIRC.FAILURE, COMA & DEATH. IT
ISNOT ABSORBED THRU INTACT SKIN.INGESTN MAY CAUSE
NAUSEA, VOMIT, DIARHEA, DEA

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

Respiratory Protection:NIOSH/MSHA APPRVD RESPIRATORY PROTECTN FOR
EXPOSURE OF CONCERN
Ventilation:LOCAL EXHAUST AND MECHANICAL DEPENDING ON CIRCUMSTANCES
Protective Gloves:WELDING GLOVES
Eye Protection:SAFETY GLASSES OR GOGGLES
Other Protective Equipment:[FLAME RETARDANT CLOTHING](#) RECOMMENDED.SEE
ANSI Z49.1
Supplemental Safety and Health
TLV GIVEN FOR WELDING FUME (TOTAL PARTICULATE NOT OTHERWISE CLASSIFIED)
PRODUCT USED AS BRAZNG/WELDNG FLUX CREATES FUMES & GASES, AS WELL AS
INFRARED RADIATION.EXACT COMPOSITN DEPENDS ON WELD R

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

HCC:V1
Spec Gravity:1.625
Solubility in Water:MODERATE
Appearance and Odor:WHITE POWDER, NO CHARACTERISTIC ODOR

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

Stability Indicator/Materials to Avoid:YES
BORIC ACID CAN REACT W/SOME BASES TO FORM BORATE SALTS
Hazardous Decomposition Products:IN WELDING, DEPENDS ON ROD
EXPECTD-OXIDES OF FE, CU, MN, SI & C

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

Waste Disposal Methods:ISOLATED, PROTECTED DUMPING OR CONTROLLED BURNING
IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGS.

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