

ALL-STATE WELDING PRODUCTS, INC. -- ALUMINUM BRONZE AL DEOX COPPER PHOS BRONZE --
3439-01-331-5625

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

Product ID:ALUMINUM BRONZE AL DEOX COPPER PHOS BRONZE

MSDS Date:04/01/1991

FSC:3439

NIIN:01-331-5625

MSDS Number: BMTSR

=== Responsible Party ===

Company Name:ALL-STATE WELDING PRODUCTS, INC.

Address:5112 ALLENDALE LANE

Box:600

City:TANEYTOWN

State:MD

ZIP:21787

Cou

ntry:US

Info Phone Num:800-638-1647 OR 310-756-4330

Emergency Phone Num:800-638-1647

CAGE:69482

=== Contractor Identification ===

Company Name:ALL-STATE PRODUCTS/ DIV OF ESAB GROUP,INC

Address:5112 ALLENDALE ST

Box:600

City:TANEYTOWN

State:MD

ZIP:21787

Country:US

Phone:1-410-756-4330

CAGE:69482

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

Ingred Name:COPPER (SARA III)

CAS:7440-50-8

RTECS #:GL5325000

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.1MG/M3 FUME/1 DUST

ACGIH TL

V:0.2MG/M3 FUME; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:TIN

CAS:7440-31-5

RTECS #:XP7320000

Other REC Limits:NONE SPECIFIED

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9192

Ingred Name:PHOSPHOROUS (YELLOW) (SARA III)

CAS:7723-14-0

RTECS #:TH3500000

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.1 MG/M3

ACGIH TLV:0.1 MG/M3; 9192

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:MANGANESE (SARA III)

CAS:7439-96-5

RTECS #:OO9275000

Other REC Limits:NONE SPECIFIED

OSHA PEL:(C) 5 MG/M3 DUST

ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:SILICON

CAS:7440-21-3

RTECS #:VW0400000

Other REC Limits:NONE SPECIFIED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:ALUMINUM (SARA III)

CAS:7429-90-5

RTECS #:BD0330000

Other REC Limits:NONE SPECIFIED

OSHA PEL:15MG/M3 DUST/5 FUME

ACGIH TLV:10MG/M3 DUST; 9192

Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525000

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.05 MG/M3;1910.1025

ACGIH TLV:0.15 MG/M3;DUST 9192

EPA Rpt Qty:1 LB

DOT

Rpt Qty:1 LB

Ingred Name:IRON
CAS:7439-89-6
RTECS #:NO4565500
Other REC Limits:NONE SPECIFIED
OSHA PEL:5 MG/M3
ACGIH TLV:10 MG/M3 AS FE2O3

Ingred Name:ZINC OXIDE
CAS:1314-13-2
RTECS #:ZH4810000
Other REC Limits:NONE SPECIFIED
OSHA PEL:15MG/M3 TDUST/5 FUME
ACGIH TLV:10MG/M3 TDUST; 9293

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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:
ACUTE: WELDING FUMES MAY RESULT IN
"METAL FUME FEVER",OR DRYNESS OR IRRITATION OF THROAT, NOSE, AND
EYES. CHRONIC: NONE SPECIFIED BY MANUFACTURER.
Explanation of Carcinogenicity:NO INGREDIENT OF 0.1% OR GREATER
CONCENTRATION IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.
Effects of Overexposure:INHALATION: COUGHING, WHEEZING. DIZZINESS,
NAUSEA. EYES: REDNESS, ITCHING.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measu
res =====

First Aid:INHALATION: REMOVE TO FRESH AIR. SEE DOCTOR. EYES: FLUSH WITH
PLENTY OF WATER FOR 15 MINUTES. SEE DOCTOR.

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

Extinguishing Media:DRY POWDER OR SAND
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND
FULL PROTECTIVE GEAR.
Unusual Fire/Explosion Hazard:DAMP ALUMINIUM DUST MAY SPONTANEOUSLY
HEAT WITH LIBERATION OF HYDROGEN TO FORM EXPLOSIVE AIR MIXTURES.

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

Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER. IF DUST
CREATED SWEEP UP DUST AND PLACE IN CONTAINER FOR LATER DISPOSAL.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE.
Other Precautions:AVOID CREATING DUST. DO NOT WET ANY DUST CREATED;
THIS MAY CAUSE PRODUCTION OF FLAMMABLE HYDROGEN GA
S.

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

Respiratory Protection:NONE NORMALLY REQUIRED.
Ventilation:USE ADEQUATE MECHANICAL VENTILATION. USE IN WELL VENTILATED
AREA.
Protective Gloves:LEATHER WORK GLOVES
Eye Protection:WELDERS FACESHIELD/SAFETY GLASSES
Other Protective Equipment:CLOTHING TO PREVENT BURNS FROM WELDING
OPERATIONS.
Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING,
DRINKING, OR SMOKING. LAUNDRER CONTAMINATED CLOTHES BEFORE REU
SE.
Supplemental Safety and Health

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

HCC:N1
Solubility in Water:INSOLUABLE
Appearance and Odor:METALLIC SOLID WITH NO ODOR.

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

Stability Indicator/Materials to Avoid:YES
WATER AND HALOGEN AS EXTINGUISHING MATERIALS. ANHYDROUS BROMINE, SODIUM
HYDROXIDE, IODATES, AND AMMONIUM NITRATE.
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decom

position Products:HYDROGEN ON WETTING AND HEATING OR
MIXING WITH INCOMPATIBLES.

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

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

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