

ALL-STATE WELDING PRODUCTS DIVISION -- 718 ALUMINUM WELDING ALLOYS --
3439-00-262-4175

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

Product ID:718 ALUMINUM WELDING ALLOYS

MSDS Date:08/15/1994

FSC:3439

NIIN:00-262-4175

MSDS Number: BXTHF

=== Responsible Party ===

Company Name:ALL-STATE WELDING PRODUCTS DIVISION

Address:5112 ALLENDALE ST

Box:600

City:TANEYTOWN

State:MD

ZIP:21787

Country:US

Info Phone Num:410-756-4330 OR 800-638-1647

Emergency Phone Num:717-637-8911(CHEMTR
EC 800-424-9300)

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 313) (CERCLA)

CAS:7440-50-8

RTECS #:GL5325000

Fraction by Wt: 0.3%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1MG/M3 FUME/1 DUST

ACGIH TLV:0.2 MG/M3 FUME; 9495

EPA Rpt Qty:50

00 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:IRON
CAS:7439-89-6
RTECS #:NO4565500
Fraction by Wt: 0.8%
Other REC Limits:NONE RECOMMENDED

Ingred Name:MAGNESIUM
CAS:7439-95-4
RTECS #:OM2100000
Fraction by Wt: 0.1%
Other REC Limits:NONE RECOMMENDED

Ingred Name:MANGANESE (SARA 313)
CAS:7439-96-5
RTECS #:OO9275000
Fraction by Wt: 0.15%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C 5 MG/M3 DUST
ACGIH TLV:5 MG/M3 DUST 9495

Ingred Name:SILICON
CAS:7440-21-3
RTECS #:VW0400000
Fraction by Wt: 11-13%
Other R
EC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9495

Ingred Name:ZINC (SARA 313) (CERCLA)
CAS:7440-66-6
RTECS #:ZG8600000
Fraction by Wt: 0.2%
Other REC Limits:NONE RECOMMENDED
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:ALUMINUM (SARA 313)
CAS:7429-90-5
RTECS #:BD0330000
Fraction by Wt: BALANCE
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 DUST
ACGIH TLV:10 MG/M3 DUST; 9495

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

Rout

es of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: EXPOSURE TO DUSTS, FUMES, GASES FROM WELDING MAY CAUSE LUNG, NOSE, THROAT & EYE IRRITATION; PULMONARY EDEMA, ASPHYXIATION OR DEATH. CHRONIC: PROLONGED OR REPEATED EXPOSURE TO WELDING FUMES, GAS ES, DUSTS MAY CAUSE REDUCED LUNG FUNCTION OR DISEASE; MAY CAUSE RESPIRATORY IRRITATION.
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.
Effects of Overexposure:WATERY EYES, NOSE & THROAT IRRITATION, HEADACHE, DIZZINESS, DIFFICULTY IN BREATHING, FREQUENT COUGHING, CHEST PAIN, LANCOR, SLEEPINESS, MUSCULAR WEAKNESS, EMOTIONAL DISTURBANCES AND SPASTIC GAIT.
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH ALLERGIES OR IMPAIRED RESPIRATORY FUNCTION MAY HAVE SYMPTOMS WORSENER BY EXPOSURE TO WELDING FUMES.

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First Aid Measures =====

First Aid:IN CASE OF EMERGENCY, CALL FOR MEDICAL ASSISTANCE. EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY RED CROSS. GIVE OXYGEN IF BREATHING DIFFICULT. FOR ELECTRICAL SHOCK; TURN-OFF ELECTRICAL POWER. GIVE ARTIFICIAL RESPIRATION IF BREATHING STOPPED.IF NO PULSE, BEGIN CPR. IMMEDIATELY CALL FOR MEDICAL ASSISTANCE. FOR ARC BURN; APPLY COLD, CLEAN COMPRESSES AND CALL FOR MEDICAL ASSISTANCE.

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

Flash Point:NON-FLAMMABLE
Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE. PRODUCT WILL NOT BURN BUT, SPARKS FROM WELDING CAN IGNITE COMBUSTIBLES.
Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.
Unusual Fire/Explosion Hazard:DAMP ALUMINUM DUST MAY SPONTANEOOUSLY HEAT & LIBERATE HYDROGEN GAS TO FORM EXPLOSIVE AIR MIXTURES.DO NOT USE WATER OR HALOGEN ON DUST FIRES-USE DRY POWDER/SAND.

===== Accidental Release Measures =

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Spill Release Procedures:SWEEP OR PICK-UP SPILLED MATERIALS AND PLACE
IN A CONTAINER FOR REUSE OR DISPOSAL.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:NO SPECIAL STORAGE RECOMMENDATIONS.
WEAR PROPER PROTECTIVE CLOTHING AS RECOMMENDED IN ANSI Z-49.1.
Other Precautions:TRAIN THE WELDER TO NOT TOUCH LIVE ELECTRICAL PARTS
AND TO INSULATE HIMSELF FROM WORK AND
GROUND. ACIDS AND BASES IN
CONTACT WITH ALUMINUM MAY GENERATE EXPLOSIVE MIXTURES WITH
HYDROGEN.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE
OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR OR
AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IN ACCORDANCE
WITH 29 CFR 1910.134 AND MANUFACTURER'S RECOMMENDATIONS.
Ventilation:USE ADEQUATE MECHANICAL VENTILATION OR LOCAL
EXHAUST AT ARC
TO MAINTAIN EXPOSURE BELOW TLV(S).
Protective Gloves:WELDER'S GLOVES.
Eye Protection:WELDER'S LENSES OR GOGGLES & FACESHIELD
Other Protective Equipment:HARD HAT, DARK SUBSTANTIAL CLOTHES, ARM
PROTECTORS, APRONS, SHOULDER PROTECTION. PROTECTIVE SCREENS TO
SHIELD OTHERS.
Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING,
DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE.
Supplemental Safety and Health

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

HCC:N1
Appearance and Odor:METALLIC SILVER SOLID; NO ODORLESS.

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

Stability Indicator/Materials to Avoid:YES
ANHYDROUS BROMINE.
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:WELDING FUMES & GASES CANNOT BE EASILY
CLASSIFIED.COMPOSITION & QUANTITY OF BOTH DEPENDENT ON MATERIAL
BEING WELDED.
Conditions to Avoid Polymerization:WILL NOT O

CCUR.

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER, IN FULL COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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