

ALL-STATE WELDING PRODUCTS, INC. -- ALL-STATE 41FC -- 3439-00-165-4199

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Product Identification  
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Product ID:ALL-STATE 41FC

MSDS Date:12/14/1987

FSC:3439

NIIN:00-165-4199

MSDS Number: BMDMN

=== Responsible Party ===

Company Name:ALL-STATE WELDING PRODUCTS, INC.

Address:5112 ALLENDALE LANE

Box:600

City:TANEYTOWN

State:MD

ZIP:21787

Country:US

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

Emer

gency Phone Num:800-638-1647 OR 717-636-8911

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

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Composition/Information on Ingredients  
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Ingred Name:COPPER (SARA III)

CAS:7440-50-8

RTECS #:GL5325000

Fraction by Wt: 58%

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.1MG/M3 FUME/1 DUST

ACGIH TLV:0.2MG/M3 FUME; 919

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EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:ZINC OXIDE

CAS:1314-13-2

RTECS #:ZH4810000

Fraction by Wt: 40%

Other REC Limits:NONE SPECIFIED

OSHA PEL:15MG/M3 TDUST/5 FUME

ACGIH TLV:10MG/M3 TDUST; 9293

Ingred Name:TIN

CAS:7440-31-5

RTECS #:XP7320000

Fraction by Wt: 1.0%

Other REC Limits:NONE SPECIFIED

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9192

Ingred Name:IRON OXIDE

CAS:1309-37-1

RTECS #:NO7400000

Fraction by Wt: 0.75%

Other REC Limits:NONE SPECIFIED

OSHA PEL:10 MG/M3 (FE)

ACGIH TLV:5

MG/M3(FE),B2; 9293

Ingred Name:SILICON

CAS:7440-21-3

RTECS #:VW0400000

Fraction by Wt: 0.1%

Other REC Limits:NONE SPECIFIED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:BORIC ACID

CAS:10043-35-3

RTECS #:ED4550000

Fraction by Wt: 5.4%

Other REC Limits:NONE SPECIFIED

Ingred Name:SODIUM TETRABORATE, DECAHYDRATE. (BORAX)

CAS:1303-96-4

RTECS #:VZ2275000

Fraction by Wt: 1.3%

Other REC Limits:NONE SPECIFIED

OSHA PEL:10 MG/M3

ACGIH TLV:5 MG/M3; 9192

Ingred Name:ACRYLIC BINDER

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reaction by Wt: 0.3%  
Other REC Limits:NONE SPECIFIED

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===== Hazards Identification =====  
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Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:ARC RAYS CAN INJURE EYES AND BURN  
SKIN. ELECTRIC SHOCK CAN KILL. FUMES AND GASSES FROM WELDING CAN BE  
DANGEROUS TO YOUR HEALTH. OVEREXPOSURE MAY CAUSE NAUSEA, DRYNESS OR  
IRRITATION OF NOSE, THROAT, OR EYES AND MAY LEAD  
TO SIDEROSIS. IT  
ALSO MAY AFFECT PULMONARY FUNCTION.  
Explanation of Carcinogenicity:NONE GIVEN BY MANUFACTURER.  
Effects of Overexposure:DIZZINESS, NAUSEA, DRYNESS AND IRRITATION OF  
NOSE, THROAT OR EYES.  
Medical Cond Aggravated by Exposure:PERSON WITH PRE-EXISTING  
RESPIRATORY OR ALLERGIC CONDITIONS MAY BE AT INCREASED RISK FROM  
EXPOSURE.

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===== First Aid Measures =====  
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First Aid:INHALATION: REMOVE TO FRESH AIR. IF BREATHING DIFFICULT GIVE  
OXYGEN. GET MEDICAL ATTENTION. IF NOT BREATHING GIVE CPR. GET  
MEDICAL ATTENTION. EYES: FLUSH WITH LARGE AMOUNTS OF WATER. GET  
MEDICAL ATTENTION. IN CASE OF ELECTRIC SHOCK DISCONNECT AND TURN  
OFF POWER. IF NOT BREATHING GIVE CPR. GET MEDICAL ATTENTION. IN  
CASE OF ARC BURN GET MEDICAL ATTENTION. WASH CONTAMINATED AREAS  
WITH SOAP AND WATER.

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===== Fire Fighting Measures =====  
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Extinguishing Media:NON-FLAMMABLE. WELDING ARC AND SPARKS CAN IGNIT  
E  
COBUSTABLES. USE EXTINGUISHING MEDIA SUITABLE FOR SURROUNDING FIRE.  
Fire Fighting Procedures:COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.  
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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===== Accidental Release Measures =====  
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Spill Release Procedures:CLEAN UP ANY GRINDING DUST OR WASTE RESIDUES  
AND PLACE IN SUITABLE DOT APPROVED CONTAINERS AND DISPOSE OF IN  
FULL COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. AVOID  
INHALATION

AND SKIN EXPOSURE.

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

Handling and Storage Precautions:WEAR GLOVES AND FLAME RETARDANT CLOTHING WHEN CUTTING, GRINDING OR WELDING. DO NOT EXPOSE SKIN TO RADIATION WHEN HOT CUTTING OR WELDING.

Other Precautions:PROVIDE PROTECTIVE SCREENS TO SHIELD OTHERS. WHEN ELECTRODES AND FLUXES ARE CONSUMED, THE FUME AND GAS DECOMPOSITION PRODUCTS GENERATED ARE DIFFERENT IN FORM FROM THE INGREDIENTS LISTED. NEW COMPOUNDS NOT IN THE ELECTRODES MAY FORM.

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

Respiratory Protection:USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN WELDING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV. SELECT RESPIRATOR IN ACCORDANCE WITH OSH A 29 CFR 1910.134.

Ventilation:USE LOCAL AND GENERAL VENTILATION TO KEEP AIRBORNE CONCENTRATIONS OF DUST OR FUMES BELOW THE TLV DURING USE.

Protective Gloves:

WELDERS LEATHER GLOVES.

Eye Protection:OSHA APPROVED GOGGLES/FACE SHIELD W/LENS

Other Protective Equipment:WEAR ARM PROTECTORS, APRON, HAT, SHOULDER PROTECTION AND PROPER CLOTHING. WELDER TO INSULATE SELF FROM WORK AND GROUND.

Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING, DRINKING OR SMOKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

WELDING AND HOT CUTTING FUMES AND GASSES CANNOT BE CLASSIFIED SIMPLY. THEIR COMPOSITION AND QUANTITY ARE DE

PENDRNT ON THE METAL BEING

WELDED, PROCEDURES, PROCESSES, AND THE TYPE OF WIRE OR ELECTRODES USED. OTHER INFLUENCING FACTORS ARE THE PRESENCE OF CONTAMINANTS. CHLORINATED SOLVENTS MAY DECOMPOSE TO TOXIC GASSES.

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

HCC:N1

Appearance and Odor:SOLID ROD COATED WITH CHEMICAL FLUX. NO ODOR.

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

Stability Indicator/Materials to Avoid:YES  
STRONG ACIDS AND ALK

ALIES.

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:FLUORIDES,COMPLEX METALIC AND SILICON  
OXIDES, CARBON MONOXIDE, CARBON DIOXIDE, OZONE, AND NITROGEN  
OXIDES.

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

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER.  
DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL  
REGULATIONS.

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