

ALL-STATE WELDING PRODUCTS DIVISION -- ALL-STATE ALUMINUM 5356 -- 3439-00-803-9498
===== Product Identification =====

Product ID:ALL-STATE ALUMINUM 5356
MSDS Date:04/16/1991
FSC:3439
NIIN:00-803-9498
MSDS Number: BFQDC
=== 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:301-756-433
0
Emergency Phone Num:800-638-1674 OR 717-637-8911
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

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

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:IRON OXIDE
CAS:

1309-37-1

RTECS #:NO7400000

Other REC Limits:NONE SPECIFIED

OSHA PEL:10 MG/M3 (FE)

ACGIH TLV:5 MG/M3(FE),B2; 9293

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 TLV:0.2MG/M3 FUME; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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:ALUMINUM (SARA III)

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AS: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:COBALT (SARA III)

CAS:7440-48-4

RTECS #:GF8750000

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.1 MG/M3;AS CO

ACGIH TLV:0.05 MG/M3;DUST 9293

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

Ingred Name:MAGNESIUM

CAS:7439-95-4

RTECS #:OM2100000

Other REC Limits:NONE SP

ECIFIED

Ingred Name:CHROMIUM (SARA III)
CAS:7440-47-3
RTECS #:GB4200000
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG/M3
ACGIH TLV:0.5 MG/M3; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:TITANIUM
CAS:7440-32-6
RTECS #:XR1700000
OSHA PEL:10 MG/M3 TDUST 9192
ACGIH TLV:10 MG/M3 TDUST

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

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:
FUMES & GASES CAN BE DANGEROUS TO YOUR HEALTH. ACUTE: MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS, NAUSEA, OR DRYNESS OR IRRITATION OF NOSE, THROAT, OR EYES. CHRONIC: MAY LEAD TO SIDEROSIS AND IS BELIEVED TO AFFECT PULMONARY FUNCTIONS. ARC RAYS CAN INJURE EYES AND BURN SKIN. ELECTRIC SHOCK CAN KILL.
Explanation of Carcinogenicity:WIRE CONTAINS CHROMIUM FOR WHICH SOME EVIDENCE OF CARCINOGENICITY HAS BEEN ESTABLISHED.
Effects of Overexposure:FUMES & GASES CAN BE DANGEROUS TO YOUR HEALTH.
ACUTE: MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS, NAUSEA, OR DRYNESS OR IRRITATION OF NOSE, THROAT, OR EYES. CHRONIC: MAY LEAD TO SIDEROSIS AND IS BELIEVED TO AFFECT PULMONARY FUNCTIONS. ARC RAYS CAN INJURE EYES AND BURN SKIN. ELECTRIC SHOCK CAN KILL.
Medical Cond Aggravated by Exposure:AGGRAVATION OF PREEXISTING RESPIRATORY OR ALLERGIC CONDITIONS MAY OCCUR IN SOME WORKERS

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

First Aid:INHA

LATION: REMOVE TO FRESH AIR. GIVE MOUTH-TO-MOUTH RESUSCITATION IF NOT BREATHING. GIVE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION. EYES: FLUSH WITH RUNNING WATER FOR 15 MINUTES WHILE HOLDING EYELID. GET IMMEDIATE MEDICAL ATTENTION. SKIN: GET IMMEDIATE MEDICAL ATTENTION FOR SERIOUS BURNS.

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

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:NONE

Extinguishing Media:USE EXTINGUISHING MEDIA APPR

OPRIATE FOR SURROUNDING

FIRE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING FIRE.

Unusual Fire/Explosion Hazard:WELDING ARC AND SPARKS CAN IGNITE COMBUSTIBLES.

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

Neutralizing Agent:NONE

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

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.

Other Precautions:READ AND UNDERS

TAND THE MANUFACTURER'S INSTRUCTIONS

AND THE PRECAUTIONARY LABEL ON THIS PRODUCT. SEE AMERICAN NATIONAL STANDARD Z-49.1. SAFETY IN WELDING AND CUTTING, PUBLISHED BY THE AMERICAN WELDING SOCIETY, POBOX 351040, MIAMI, FL 33135.

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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.

Ventilation:USE ENOUGH VENTILATION AND/OR LOCAL EXHAUST AT THE ARC TO KEEP THE FUMES AND GASES BELOW THE TLV'S IN BREATHING ZONE.

Protective Gloves:WELDERS LEATHER GLOVES

Eye Protection:HELMET/FACE SHIELD WITH FILTER LENS.

Other Protective Equipment:WEAR ARM AND SHOULDER PROTECTORS, APRONS, HATS, AND DARK SUBSTANTIAL CLOTHING. USE PROTECTIVE SCREENS IF NECESSARY.

Work Hygienic Practices:MINIMIZE BREATHING FUMES. CLEANSE SKIN THOROUGHLY AFTER USE, BEFORE EATING, AND AT THE END OF

WORK PERIOD.

Supplemental Safety and Health

THE COMPOSITION AND QUANTITY OF WELDING FUMES ARE DEPENDENT UPON THE METAL BEING WELDED, THE PROCESS, PROCEDURES AND ELECTRODES USED. OTHER CONDITIONS WHICH ALSO INFLUENCE THE COMPOSITION AND QUANTITY OF THE FUMES AND GASES TO WHICH WORKERS MAY BE EXPOSED INCLUDE COATINGS, (PAINT, GALVANIZE, ETC.) & SOLVENT DEGREASERS.

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Physical/Chemical Properties
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HCC:N1

Solubility in Water:NEGLIGIBLE

Appearance

and Odor:ALUMINUM WIRE ROLL, 0.047 INCH DIAMETER. NO ODOR.

Percent Volatiles by Volume:0

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:WELDING FUMES

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Disposal Considerations
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Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSABLE CONTAINER, OR LI

QUANTITY IN AN ENVIRONMENTALLY ACCEPTABLE MANNER, IN FULL COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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