

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

Product ID:ALL-STATE ALUMINUM 5356

MSDS Date:04/16/1991

FSC:3439

NIIN:00-885-3638

MSDS Number: BFTVP

=== 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:301-756-4330

Emergency Phone Num:800-638-1674 OR 717-637-8911

CAGE:69482

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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

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

Routes of Entry: Inhalation:N
O 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

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

First Aid:INHALATION: 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.

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

FI

ash Point:NONE
Autoignition Temp:Autoignition Temp Text:NONE
Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE 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.

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

Neutralizing Agent:NONE

===== Handling and Storage =====
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Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.
Other Precautions:READ AND UNDERSTAND 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.

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

Respiratory Protection:USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED RESPIRAT
OR 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 Hygieni
c 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 =====

HCC:N1

Solubility in Water:NEGLIGIBLE

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

Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:WELDING FUMES

===== 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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