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ALL-STATE WELDING PRODUCTS, INC. -- BARE ALUMINUM WELDING WIRE -- 3439-01-323-9369

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

Product ID:BARE ALUMINUM WELDING WIRE
MSDS Date:02/12/1988
FSC:3439
NIIN:01-323-9369
MSDS Number: BMQQG
=== 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:800-638-1
647 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: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
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: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:MAGNESIUM
CAS:7439-95-4
RTECS #:OM2
100000
Other REC Limits:NONE SPECIFIED

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: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:TITANIUM, METAL
CAS:7440-32-6
RTECS #:XR1700000
Other REC Limits:NONE SPECIFIED

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: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

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

LD50 LC50 Mixture:UNCLASSIFIED WELDING FUMES=5MG/M3 PEL
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:
NO
Health Hazards Acute and Chronic:ACUTE-OVEREXPOSURE TO WELDING FUMES MAY RESULT IN DISCOMFORT. CHRONIC-OVEREXPOSURE MAY LEAD TO S'DEROSIS (IRON DEPOSITS IN THE LUNG) AND IS BELIEVED BY SOME TO AFFECT PULMONARY FUNCTIONS.
Explanation of Carcinogenicity:CHROMIUM HAS BEEN IDENTIFIED BY IARC AND/OR NTP AS POTENTIAL CANCER CAUSING AGENTS.
Effects of Overexposure:FUMES AND GASES CAN BE DANGEROUS TO YOUR HEALTH. EXPOSURE TO WELDING FUMES MAY CAUSE DIZZINESS, NAUSEA OR DRYNESS
OR IRRITATION OF NISE, THROAT OR EYES. ARC RAYS CAN INJURE EYES AND BURN SKIN. ELECTRI C SHOCK CAN KILL.
Medical Cond Aggravated by Exposure:AGGRAVATION OF PRE-EXISTING RESPIRATORY OR ALLERGIC CONDITIONS MAY OCCUR IN SOME WORKERS.

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

First Aid:CALL FOR MEDICAL AID. EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY THE AMERICAN RED CROSS.

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

Flash Point:NON

FLAMMABLE
Extinguishing Media:NONE SPECIFIED BY MANUFACTURER.
Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.
Unusual Fire/Explosion Hazard:WELDING ARC AND SPARKS CAN IGNITE COMBUSTIBLES.

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

Other Precautions: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 SPACES WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.
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:FLASH GOGGLES/FACE SHIELD W/LENS
Other Protective Equipment:WEAR HEAD, HAN
D & BODY PROTECTION TO PREVENT INJURY FROM RADIATION, SPARKS & SHOCK. (ARM PROTECTORS, APRONS, HATS, ETC)
Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING OR SMOKING. LAUNDER CONTAMINATIED CLOTHING BEFORE REUSE.
Supplemental Safety and Health
WELDING AND HOT CUTTING FUMES & GASES CANNOT BE CLASSIFIED SIMPLY. THEIR COMPOSITION AND QUANTITY ARE DEPENDENT ON THE METAL BEING WELDED, THE PROCEDURES, PROCESSES AND THE TYPE OF WIRE OR ELECTRODES USED. OTHER INFLUENCING FACT
ORS ARE THEPRESENCE OF CONTAMINANTS.

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

HCC:N1

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

Stability Indicator/Materials to Avoid:YES
NONE SPECIFIED BY MANUFACTURER.
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:COMPLEX OXIDES OF IRON, CHROMIUM, COPPER, MANGANESE, SILICONE. GASES OF CARBON MONOXIDE & DIOXIDE, OZONE, NITROGEN OXIDE

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======== 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 FEDERAL, STATE & LOCAL REGULATIONS.

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