

## **BARE ALUMINUM WELDING WIRE, 4047**

### **MSDS Number**

BLCNY

### **National Stock Number**

3439-00N018249

### **Product Name**

BARE ALUMINUM WELDING WIRE, 4047

### **Manufacturer**

ALL STATE WELDING PRODUCTS INC

### **Product Identification**

Product ID: BARE ALUMINUM WELDING WIRE, 4047

MSDS Date: 04/16/1991

FSC: 3439

NIIN: 00N018249

MSDS Number: BLCNY

### **Responsible Party**

ALL-STATE WELDING PRODUCTS INC.

5112 ALLENDALE LN

TANEYTOWN , MD 21787

US

Cage: 69482

### **Contractor**

ALL-STATE PRODUCTS/ DIV OF ESAB GROUP, INC

600

TANEYTOWN, MD 21787

US

1-410-756-4330

Cage: 69482

### **Ingredients**

SILICON

CAS: 7440-21-3

RTECS: VW0400000

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9293

IRON OXIDE

CAS: 1309-37-1

RTECS: NO7400000

OSHA PEL10 MG/M3 (FE)

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

COPPER (SARA III)

CAS: 7440-50-8

RTECS: GL5325000

OSHA PEL0.1MG/M3 FUME/1 DUST

ACGIH TLV: 0.2MG/M3 FUME; 9192

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

MANGANESE (SARA III)

CAS: 7439-96-5

RTECS: OO9275000

OSHA PEL(C) 5 MG/M3 DUST

ACGIH TLV: 5 MG/M3 DUST 9293

ALUMINUM (SARA III)

CAS: 7429-90-5

RTECS: BD0330000

OSHA PEL15MG/M3 DUST/5 FUME

ACGIH TLV: 10MG/M3 DUST; 9192

COBALT (SARA III)

CAS: 7440-48-4

RTECS: GF8750000

OSHA PEL0.1 MG/M3;AS CO

ACGIH TLV: 0.05 MG/M3;DUST 9293

ZINC OXIDE

CAS: 1314-13-2

RTECS: ZH4810000

OSHA PEL15MG/M3 TDUST/5 FUME

ACGIH TLV: 10MG/M3 TDUST; 9293

MAGNESIUM

CAS: 7439-95-4

RTECS: OM2100000

(IRON DEPOSITS IN LUNG) & IS BELIEVED BY

RTECS: 9999999ZZ

RAYS CAN INJURE EYES AND BURN SKIN. ELECTRIC

RTECS: 9999999ZZ

LIGHTER WHICH GIVES ADEQUATE VIEW.

RTECS: 9999999ZZ

## Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACGIH REC GEN LIMIT FOR WELDING FUME  
NOC (NOT OTHERWISE CLASSIFIED) IS 5 MG/M3. ACGIH 1984-85 PREFACE  
STATES:"TLV- TWA SHOULD BE USED AS GUIDES IN CONTROL HLTH HAZ &  
SHOULD NOT BE USED AS FIRM LINES B TWN SAFE & DANGEROUS CONC.  
WELDING FUMES CANNOT BE CLASSIFIED SIMPLY. REFER TO ANSZ-49.1 OR  
ORIGINAL MSDS FOR MORE INFO.  
Explanation of Carcinogenicity:NOT RELEVANT  
Effects of Overexposure:FUMES & GASES CAN BE DANGEROUS TO YOUR HEALTH.  
SHORT-TERM (ACUTE) OVEREXP TO WELDING FUMES MAY RESULT IN  
DISCOMFORT SUCH AS:DIZZ, NAUS, OR DRYNESS OR IRRIT OF NOSE, THROAT,  
OR EYES. LONG TERM (CHRONIC ) OVEREXP MAY LEAD TO SIDEROSIS (SEE  
ING 9).  
Medical Cond Aggravated by Exposure:AGGRAVATION OF PREEXISTING  
RESPIRATORY OR ALLERGIC CONDITIONS MAY OCCUR IN SOME WORKERS.

## First Aid

First Aid:CALL FOR MEDICAL AID. EMPLOY FIRST AID TECHNIQUES RECOMMENDED  
BY THE AMERICAN RED CROSS. INGEST: CALL MD IMMEDIATELY . INHAL:  
REMOVE TO FRESH AIR. SUPPORT BREATHING (GIVE O2/ARTIFICIAL  
RESPIRATI ON) . EYE:IMMEDIATELY FLUSH EYES WITH POTABLE WATER FOR A  
MINIMUM OF 15 MINUTES, SEEK ASSISTANCE FROM MD . SKIN: FLUSH WITH  
COPIOUS AMOUNTS OF WATER. CALL MD .

## Fire Fighting

Flash Point:NONFLAMMABLE  
Extinguishing Media:USE EXTINGUISHING MEDIA SUITIBLE FOR SURROUNDING  
FIRE .  
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA WITH FULL  
SURROUNDING FIRE .  
Unusual Fire/Explosion Hazard:WELDING ARC AND SPARKS CAN IGNITE  
COMBUSTIBLES. SEE ANSZ-49.1, SAFETY IN WELDING & CUTTING.

## Accidental Release

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:TRAIN WELDER NOT TO TOUCH LIVE  
ELECTRICAL PARTS & TO INSULATE HIMSELF FROM WORK & GROUND.  
Other Precautions:EXPOS LEVEL FOR WELDING FUME HAS BEEN ESTABLISHED AT  
5 MG/M3 W/OSHA'S PEL & ACGIH'S TLV BUT FUME LIMITS FOR SOME CHEM  
MAY BE REACHED BEFORE GEN FUME LIMIT IS REACHED. MONITOR FUMES FOR  
CHEM WHOSE PEL/ TLV ARE BELOW 5 MG/M3.

## Exposure Controls

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRABLE FUME OR AIR  
SUPPLIED RESPIRATOR WHEN WELDING IN CONFINED SPACE OR WHERE LOCAL  
EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.  
Ventilation:USE ENOUGH VENT, LOCAL EXHAUST AT ARC, OR BOTH, TO KEEP  
FUMES & GASES BELOW TLV'S IN WORKER'S BREATHING ZONE (SUP DAT).  
Protective Gloves:WELDERS GLOVES.  
Eye Protection:WELDERS HELMET OR FACESHIELD (SUP DAT)  
Other Protective Equipment:WEAR PROT WHICH HELP TO PREVENT INJURY FROM  
RADIATION, SPARKS AND ELECTRICAL SHOCK. MAY INCLUDE ARM PROTECTION  
(SUP DAT)  
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.  
Supplemental Safety and Health  
VENT: & GEN AREA. TRAIN WELDER TO KEEP HIS HEAD OUT OF FUMES. OTHER  
PROT EQPT:APRONS, HATS, SHOULDER PROT, AS WELL AS DARK SUBSTANTIAL  
CLTHG. PROVIDE PROT SCREENS & FLASH GOGGLES AS NEEDED TO SHIELD O  
THERS. EYE PROT:W/FILTER LENS. AS RULE OF OF THUMB, START W/SHADE  
TOO DARK TO SEE WELD ZONE & GO TO NEXT SHADE (ING 11)

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## Chemical Properties

HCC:N1

Appearance and Odor:BARE ALUMINUM WELDING WIRE.

## Stability

Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:FLUORIDES AND COMPLEX OXIDES OF THE  
CHEMICALS LISTED IN INGREDIENT SECTION, CO, CO2, OZONE, NOX.

## Disposal

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 AND LOCAL REGULATIONS.

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