

UNITED STATES WELDING CORP. -- 4043 AL -- 3439-00-247-2982

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

Product ID:4043 AL

MSDS Date:07/03/1991

FSC:3439

NIIN:00-247-2982

MSDS Number: BSTXL

=== Responsible Party ===

Company Name:UNITED STATES WELDING CORP.

Address:20700 DEARBORN STREET

City:CHATSWORTH

State:CA

ZIP:91311

Country:US

Info Phone Num:818-341-2021

Emergency Phone Num:818-341-2021

Preparer's Name:A

NTOLY NEYMAN

CAGE:3H796

=== Contractor Identification ===

Company Name:UNITED STATES WELDING CORP.

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Box:City:CHATSWORTH

State:CA

ZIP:91311

Country:US

Phone:818-341-2021

CAGE:3H796

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

Ingred Name:ALUMINUM (SARA III)

CAS:7429-90-5

RTECS #:BD0330000

Fraction by Wt: 94%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15MG/M3 DUST/5 FUME

ACGIH TLV:10MG/M3 DUST; 9394

Ingred Name:SILICON

CAS:7440-21-3

RTECS #:

VW0400000

Fraction by Wt: 5.2%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9394

Ingred Name:IRON

CAS:7439-89-6

RTECS #:NO4565500

Fraction by Wt: 0.8%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10 MG/M3(FE2O3 FUME)

ACGIH TLV:5 MG/M3 (FE2O3 FUME)

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:I

NHAL:WELDING FUMES CAN CAUSE

IRRITATION OF NOSE AND THROAT AND RESPIRATORY TRACT.SKIN:NO HAZARD  
LIKELY.EYES:NO HAZARD LIKELY.INGEST:UNLIKELY ROUTE OF  
EXPOSURE.CHRONIC:MAY CAUSE NERVE OR LUNG DAMAGE.

Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%  
WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Effects of Overexposure:INHAL:DIZZINESS,NAUSEA,DRYNESS OR IRRITATION OF  
THE NOSE AND THROAT,WATERY EYES,HEADACHE,BREATHING  
DIFFICULTY,COUGHING,CHEST PAIN

Medical Cond Aggravated by Exposure:PERSONS WITH IMPAIRED HEART  
FUNCTION, RESPIRATORY DISEASES(EG.ASTHMA, EMPHYSEMA, CHRONIC  
BRONCHITIS) CAN BE INCREASED RISK FROM THE EXPOSURE.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH WATER.EYES:FLUSH  
WITH WATER FOR 15 MINUTES.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR  
ARTIFICIAL RESPIRATION IF NEEDED.INGEST:DO NOT INDUCE VOMITING.GET  
PROMPT QUALIFIED MEDICAL ATTENTION.

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

Flash Point:NONE

Extinguishing Media:CLASS "D" DRY CHEMICAL. DO NOT USE WATER. WATER MAY  
REACT WITH BURNING ALUMINUM VIOLENTLY.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-  
APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE  
OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:MOLTEN METAL ALLOYS MAY EXPLODE ON  
CONTACT WITH WATER, RUST AND CERTAIN

METAL OXIDES (OXIDES OF  
COPPER,IRON,LEAD).

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

Spill Release Procedures:SWEEP UP;PLACE IN AN APPROPRIATE CONTAINER FOR  
DISPOSAL OR RECLAMATION.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORAGE-STORE IN A COOL,DRY,WELL  
VENTILATED AREA AWAY FROM MOISTURE,ACIDS & FLAMES.

Other Precautions:AVOID BREATHING OF FUMES. USE WITH ADEQUATE

VENTILATION. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING AND  
DRINKING.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR METAL  
FUMES.

Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL)  
VENTILATION TO MAINTAIN TLV/PEL.

Protective Gloves:FLAME-PROOF WELDING GLOVES

Eye Protection:SAFETY GLASSES-WELDING HELMET

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER, WORK  
CLOTHI

NG AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING.

Supplemental Safety and Health

FORMULA CHANGE FROM NSN:3439-00-247-2982;CAGE:0EE28;PNIND-A.

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

HCC:N1

Solubility in Water:INSOLUBLE

Appearance and Odor:WELDING ROD,0.125 INCH DIAM X 36 INCHES

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

Stability Ind

icator/Materials to Avoid: YES  
MANUFACTURER STATES NONE.  
Stability Condition to Avoid: FLAMES  
Hazardous Decomposition Products: METAL FUMES.

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

Waste Disposal Methods: PRIOR TO DISPOSAL, CONSIDER IF MATERIAL HAS RECOVERY VALUE. DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. PREVENT WASTE FROM CONTAMINATING ENVIRONMENT.

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