

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 Nam

e:ANTOLY NEYMAN

CAGE:3H796

=== Contractor Identification ===

Company Name:UNITED STATES WELDING CORP.

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Box:City:CHATSWORTH

State:CA

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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:
c:INHAL: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

IN 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
CLO

THING 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

Indicator/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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