

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:

ANTOLY NEYMAN

CAGE:3H796

=== Contractor Identification ===

Company Name:UNITED STATES WELDING CORP.

Address:20700 DEARBORN STREET

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:

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 PAI

N.

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  
CLOTH

ING 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 In

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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ormation is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.