

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.  
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)

===== 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:  
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.

===== 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.

===== 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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