

CYC HOLDINGS INC DBA HI-TECH ALLOYS -- ALUMINUM WELDING WIRE -- 3439-00-178-8590  
===== Product Identification =====

Product ID:ALUMINUM WELDING WIRE

MSDS Date:01/01/1987

FSC:3439

NIIN:00-178-8590

MSDS Number: BLVZW

=== Responsible Party ===

Company Name:CYC HOLDINGS INC DBA HI-TECH ALLOYS

Address:25 WEST ST

Box:536

City:STAFFORD SPRINGS

State:CT

ZIP:06076

Country:US

Info Phone Num:800-448-3229

Em

ergency Phone Num:203-684-6326

CAGE:0B491

=== Contractor Identification ===

Company Name:CYC HOLDINGS INC DBA HI-TECH ALLOYS

Address:25 WEST ST

Box:536

City:STAFFORD SPRINGS

State:CT

ZIP:06076

Country:US

Phone:203-684-6326

CAGE:0B491

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

Ingred Name:ALUMINUM (SARA III)

CAS:7429-90-5

RTECS #:BD0330000

Fraction by Wt: 94-95.5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:15MG/M3 DUST/5 FUME

ACGIH TLV:10MG/M3 DUST; 9192

Ingred Name:SI

LICON  
CAS:7440-21-3  
RTECS #:VW0400000  
Fraction by Wt: 4.5-6.0%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9293

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

LD50 LC50 Mixture:TLV FOR WELDING FUMES IS 5 MG/M3  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: FUMES AND GASES CAN CAUSE EYES  
AND UPPER RESPIRATORY SYSTEM IRRITATION. ARC  
RAYS CAN INJURE EYES  
AND BURN SKIN. ELECTRIC SHOCK CAN KILL. NOISE CAN DAMAGE HEARING.  
CHRONIC: LUNG FIBROSIS, PNEUMO CONIOSIS.  
Effects of Overexposure:SHORT TERM EXPOSURE: NAUSEA, FEVER, DIZZINESS,  
DRYNESS, IRRITATION OF EYES, NOSE AND THROAT, SKIN SENSITIVITY.  
ACUTE EXPOSURE: SAME SYMPTOMS TO HIGHER DEGREE AS WELL AS WATERY  
EYES, HEADACHE, BREATHIN G DIFFICULTY, FREQUENT COUGHING, CHEST  
PAINS.  
Medical Cond Aggravated by Exposure:AGGRAVATION OF EXISTING RESPIRATORY  
O  
R ALLERGIC CONDITIONS. HIGHER LEVEL OF LUNG RELATED PROBLEMS AMONG  
SMOKERS.

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

First Aid:INHALATION: REMOVE FROM EXPOSURE. IF BREATHING IS DIFFICULT,  
GIVE OXYGEN. IF NOT BREATHING, GIVE CPR. IF NO DETECTABLE PULSE,  
GIVE HEART MASSAGE. EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR AT  
LEAST 1 5 MINUTES. SKIN: WASH WITH SOAP AND WATER.

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

Extinguishin  
g Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPRIATE  
FOR SURROUNDING FIRE.  
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A  
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED  
CONTAINERS WITH WATER SPRAY.  
Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE  
HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:COLLECT SCRAP FOR REMELTING. C

LEAN UP ANY

GRINDING DUST OR WASTE RESIDUE AND PLACE IN APPROPRIATE DISPOSAL CONTAINER. AVOID INHALATION AND SKIN EXPOSURE.

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

Handling and Storage Precautions:STORE IN DRY AREA.

Other Precautions:TRAIN WELDER TO KEEP HIS HEAD OUT OF THE FUMES.

MONITOR AIR TO ENSURE ACCEPTABLE EXPOSURES. AVOID ELECTRICAL SHOCK BY MAINTAINING DRY WORK AREA.

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

Respiratory Protection:FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR IN CONFINED SPACES OR WHERE VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.

Ventilation:LOCAL EXHAUST TO KEEP BELOW TLV.

Protective Gloves:WELDER'S GLOVES.

Eye Protection:HELMET OR FACE SHIELD WITH FILTER LENS.

Other Protective Equipment:SUBSTANTIAL DARK CLOTH, ARM PROTECTOR, APRON, HAT AND SHOULDER PROTECTION. AIR SAMPLING TO DETERMINE CORRECTIVE MEASURES

Work Hygienic Practices:WASH HANDS THOROUGHLY BEFORE EATING, SMOKING OR USING SANITARY FACILITIES.

Supplemental Safety and Health  
ALUMINUM IS WELDED IN A PROTECTIVE, INERT ATMOSPHERE SUCH AS ARGON OR HELIUM USING THE MIG OR TIG PROCESS.

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

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:>970F,>521C

Spec Gravity:2.8

Solubility in Water:INSOLUBLE

Appearance and Odor:SOLID, STRAIGHT LENGTH WELDING ROD. 0.062 INCHES DIAMETER BY 36 INCHES LONG.

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

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Stability Indicator/Materials to Avoid: YES  
NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products: FUMES OF METALS AND METAL OXIDES FROM  
ELECTRODE AND BASE METAL, CARBON MONOXIDE, CARBON DIOXIDE, OZONE,  
NITROGEN OXIDES.

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

Waste Disposal Methods: WASTE THAT CANNOT BE REUSED OR RECYCLED MAY BE  
DISPOSED OF IN A SANITARY LANDFILL. COMPLY WITH ALL APPLICABLE  
FEDERAL, STATE AND LOCAL ENVIRONMENTAL  
REGULATIONS.

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