

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

Eme

rgency 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:SIL

ICON  
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

=====  
===== 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  
OR ALLERGIC CONDITIONS. HIGHER LEVEL OF LUNG RELATED PROBLEMS AMONG  
SMOKERS.

=====  
===== 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.

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

Extinguishing  
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.

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

Spill Release Procedures:COLLECT SCRAP FOR REMELTING. CL

EAN UP ANY

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

=====  
===== 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.

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

Respira

tory 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.

=====  
===== 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.

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

=====

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.

Disclaimer (provided with this information by the compiling agencies):  
This information 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  
part  
icular situation.