

AUFHAUSER BROTHERS CORP -- ALUMINUM MIG AND TIG WELDING WIRE,BARE WIRE A  
(1100,2319...) -- 3439-00-268-9654

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===== Product Identification =====

Product ID:ALUMINUM MIG AND TIG WELDING WIRE,BARE WIRE A (1100,2319...)

MSDS Date:05/01/1997

FSC:3439

NIIN:00-268-9654

MSDS Number: CFFDJ

=== Responsible Party ===

Company Name:AUFHAUSER BROTHERS CORP

Address:39 WEST MALL

City:PLAINVIEW

State:NY

ZIP:11803-

4209

Country:US

Info Phone Num:516-694-8696

Emergency Phone Num:516-694-8696

CAGE:59401

=== Contractor Identification ===

Company Name:AUFHAUSER CORP

Address:39 WEST MALL

Box:City:PLAINVIEW

State:NY

ZIP:11803-4209

Country:US

Phone:212-757-6824/FAX: 516-694-8690

CAGE:59401

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

Ingred Name:SILICA, CRYSTALLINE - FUSED

CAS:60676-86-0

RTECS #:VV7328000

Fraction by Wt: 0.25-13%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:SEE TABLE Z-3

A

CGIH TLV:0.1 MG/M3 RDUST;9596

Ingred Name:IRON OXIDE/IRON (OXIDE DUST & FUME)

CAS:1309-37-1

RTECS #:NO7400000

Fraction by Wt: .15-.95%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10 MG/M3 (FE)

ACGIH TLV:5MG(FE)/M3FUME,B2;96

Ingred Name:COPPER (SARA 313) (CERCLA)

CAS:7440-50-8

RTECS #:GL5325000

Fraction by Wt: .05-6.8%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1MG/M3 FUME/1 DUST

ACGIH TLV:0.2 MG/M3 FUME; 9596

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:MANGANESE (SARA 313)

CAS:7439

-96-5

RTECS #:OO9275000

Fraction by Wt: .01-.40%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C, 5 MG/M3 (FUME)

ACGIH TLV:0.2 MG/M3; 9596

Ingred Name:MAGNESIUM OXIDE/MAGNESIUM (OXIDE FUME)

CAS:1309-48-4

RTECS #:OM3850000

Fraction by Wt: 0 - 5.5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3 PARTICULATE

ACGIH TLV:10 MG/M3; FUME; 9596

Ingred Name:CHROMIUM (SARA 313) (CERCLA)

CAS:7440-47-3

RTECS #:GB4200000

Fraction by Wt: 0 - .35%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:

0.5 MG/M3; 9596  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:ZINC OXIDE (SARA 313) (CERCLA)/ZINC (FUME)  
CAS:1314-13-2  
RTECS #:ZH4810000  
Fraction by Wt: .05-.25%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9596

Ingred Name:TITANIUM DIOXIDE/TITANIUM  
CAS:13463-67-7  
RTECS #:XR2275000  
Fraction by Wt: 0 - .20%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9596

Ingred Name:ALUMINUM (SARA 313)/WELDING FUME  
CAS:7429-90-5  
RT  
ECS #:BD0330000  
Fraction by Wt: BALANCE  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15 MG/M3 DUST  
ACGIH TLV:10 MG/M3 DUST; 9596

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS NOT RELEVANT.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, CNS,  
RESPIRATORY TRACT. ACUTE- INHALING FUMES CAN CAUSE IRRITATION,  
DIZZ  
INESS, WATERY EYES, HEADACHE, NAUSEA, COUGHING, CHEST PAINS.  
ARC RAYS CAN INJURE EYES & BURN SKIN. ELE CTIC SHOCK CAN KILL. IR  
RADIATION CAN INJURE EYES. INGESTION IS UNLIKELY. CHRONIC- MAY  
CAUSE LUNG DAMAGE, SIDEROSIS.  
Explanation of Carcinogenicity:CONTAINS CHROMIUM.  
Effects of Overexposure:IRRITATION, SKIN DERMATITIS OR ECZEMA, COUGH,  
WHEEZING AND SHORTNESS OF BREATH, DECREASED PULMONARY FUNCTION,  
HEADACHE, NAUSEA, VOMITING, WEAKNESS, CONVULSIONS, RESPIRATORY AND  
SKIN

SENSITIZATION, BUR NS

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING DISEASES OF THE EYE, SKIN, RESPIRATORY TRACT MAY HAVE INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.

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First Aid Measures  
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First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EMPLOY FIRST AID TECHNIQUE RECOMMENDED BY RED CROSS. IF BREATHING IS DIFFICULT, PROVIDE OXYGEN/CPR. FOR ELECTRIC SHOCK, DISCONNECT POWER. FOR ARC BU RNS, APPL Y COLD, CLEAN COMPRESSES & CALL A PHYSICIAN. IF EYE CONTACT, FLUSH WITH WATER FOR 15 MINUTES. IF SKIN CONTACT, WASH WITH SOAP & WATER. INGESTION UNLIKELY (WIRE).

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Fire Fighting Measures  
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Flash Point:NONE  
Lower Limits:NOT RELEVANT  
Upper Limits:NOT RELEVANT  
Extinguishing Media:TO EXTINGUISH METAL FIRE, USE DRY SAND, DRY GRAPHITE OR OTHER CLASS "D" FIRE EXTINGUISHING POWDER.  
Fire Fighting Procedures:TREAT AS A METALLIC FIRE. WEAR P ROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:NONE

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Accidental Release Measures  
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Spill Release Procedures:NOT RELEVANT  
Neutralizing Agent:NOT RELEVANT

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Handling and Storage  
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Handling and Storage Precautions:STORE IN DRY PLACE AWAY FROM ACIDS. KEEP OUT OF REACH OF CHILDREN.  
Other Precautions:AVOID EYE OR SKIN CONTACT. AVOID BREATHING FUMES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING AND DRINKING. REMOVE CONTAMINATED CLOTHING. LAUNDER BEFORE REUSE.

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Exposure Controls/Personal Protection  
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Respiratory Protection:USE NIOSH APPROVED SUPPLIED AIR RESPIRATORY PROTECTION OR RESPIRABLE FUME RESPIRATOR WHEN WELDING, BRAZING OR SOLDERING IN CONFINED SPACE OR WHERE LOCAL EXHAUST VENTILATION DOES NOT KEEP EXPOSURE BELO W TLV.  
Ventilation:LOCAL EXHAUST VENTILAT

ION SHOULD BE USED TO CONTROL

EXPOSURE TO AIRBORNE FUMES OR DUST WHENEVER POSSIBLE.

Protective Gloves:WELDER'S (HEAT RESISTANT) WHEN WELDING

Eye Protection:WELDER'S GOGGLES WHEN WELDING

Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, APRON  
(ALUMINIZED), EAR PROTECTION (TO AVOID EXCESSIVE NOISE)

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES.

Supplemental Safety and Health

TRADE NAME: BARE WIRE A (1100, 2319, 4043, 5183, 718/4047

, 5356, 5554,

5556, 5654, 357), AC355, AA356, AA357

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

HCC:N1

NRC/State Lic Num:NOT RELEVANT

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:INSOLUBLE

Appearance and Odor:GREY TO SILVER COLOR WIRE - ODORLESS

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, STRONG ACIDS

Stability Condition to Avoid

:WELDING ARCS

Hazardous Decomposition Products:WELDING FUMES (OXIDES OF METAL BEING  
WELD) & GASES SUCH AS OZONE, CARBON MONOXIDE, CARBON DIOXIDE

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING  
ENVIRONMENT. KEEP PERSONNEL AWAY. DISCARD ANY PRODUCT, RESIDUE,  
DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE  
MANNER, IN FULL COMPLIANCE WITH LOCAL, STATE AND FEDERAL  
REGULATIONS.

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