

AUFHAUSER BROTHERS CORP -- ALLOY 605,5796 -- 3439-00-204-3203

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

Product ID:ALLOY 605,5796

MSDS Date:05/01/1997

FSC:3439

NIIN:00-204-3203

MSDS Number: CFKQN

=== 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:516-694-8696/800-645-9486

CAG

E: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

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

Ingred Name:MANGANESE (SARA 313)

CAS:7439-96-5

RTECS #:OO9275000

Fraction by Wt: 1 - 2%

Other REC Limits:NONE RECOMMENDED

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

ACGIH TLV:0.2 MG/M3; 9596

Ingred Name:SILICON

CAS:7440-21-3

RTECS #:VW0400000

Fraction

by Wt: 1% MAX
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9596

Ingred Name:CHROMIUM (SARA 313) (CERCLA)
CAS:7440-47-3
RTECS #:GB4200000
Fraction by Wt: 19 - 21%
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:NICKEL (SARA 313) (CERCLA)
CAS:7440-02-0
RTECS #:QR5950000
Fraction by Wt: 9 - 11%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9596

Ingred Name:TU
NGSTEN,AS W,SOLUBLE COMPOUNDS.
CAS:7440-33-7
RTECS #:YO7175000
Fraction by Wt: 14 - 16%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:NOE ESTABLISHED
ACGIH TLV:1 MG/M3/3 STEL; 9596

Ingred Name:IRON
CAS:7439-89-6
RTECS #:NO4565500
Fraction by Wt: 3% MAX
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG/M3 (TDUST)
ACGIH TLV:5 MG/M3 (OXIDE FUME)

Ingred Name:COBALT (SARA 313)
CAS:7440-48-4
RTECS #:GF8750000
Fraction by Wt: BALANCE
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1 MG/M3
ACGIH TLV:0.02 MG/

===== 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,
DIZZINESS, Watery Eyes, HEADACHE, NAUSEA, COUGHING, CHEST PAINS.
ARC RAYS CAN INJURE EYES & BURN SKIN. ELE CTRIC S

HOCK 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, FEVER

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING
DISEASES OF TH

E EYE, SKIN, RESPIRATORY TRACT MAY HAVE INCREASED
SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.

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

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
BURNS, 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).

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

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 PROTECTIVE
CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard

:NONE

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

Spill Release Procedures:NOT RELEVANT

Neutralizing Agent:NOT RELEVANT

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

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. LAUNDRY BEFORE REUSE.

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

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 BELOW TLV.

Ventilation:LOCAL EXHAUST VENTILATION SHOULD BE USED TO CONTROL EXPOSURE TO AIRBORNE FUMES OR DUST WHENEVER POSSIBLE.

Protective Gloves:W

ELDER'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

===== 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:WELDING ROD

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

Stability Indicator/Materials to Avoid:YES
STRONG ACIDS
Stability Condition to Avoid:NONE
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 SUR
ROUNDING
ENVIRONMENT. KEEP PERSONNEL AWAY. DISCARD ANY PRODUCT, RESIDUE,
DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE
MANNER, IN FULL COMPLIANCE W ITH LOCAL, STATE AND FEDERAL
REGULATIONS.

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