

AUFHAUSER BROTHERS CORP -- AUFHAUSER 4043 -- 3439-00-247-2982
===== Product Identification =====

Product ID:AUFHAUSER 4043
MSDS Date:08/29/1988
FSC:3439
NIIN:00-247-2982
MSDS Number: BMSVV
=== 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
=== C
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:IRON
CAS:7439-89-6
RTECS #:NO4565500
Fraction by Wt: 1.0%
Other REC Limits:NONE SPECIFIED

Ingred Name:CHROMIUM (SARA III) *
CAS:7440-47-3
RTECS #:GB4200000
Fraction by Wt: 0.1%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG/M3 *
ACGIH TL

V:0.5 MG/M3; 9192 *

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:ZINC (SARA III) *

CAS:7440-66-6

RTECS #:ZG8600000

Fraction by Wt: 0.5%

Other REC Limits:5 MG/M3 OXIDE

OSHA PEL:10 MG ZNO/M3 *

ACGIH TLV:10 MG ZNO/M3; 9192 *

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:MANGANESE (SARA III) *

CAS:7439-96-5

RTECS #:OO9275000

Fraction by Wt: 1.0%

Other REC Limits:NONE SPECIFIED

OSHA PEL:5 MG/M3 DUST *

ACGIH TLV:5 MG/M3 DUST 9192 *

Ingred Name:COPPER (SARA III) *

CAS:7440-50-8

RTECS #:GL53

25000

Fraction by Wt: 0.5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.1MG/M3 FUME/1 DUST

ACGIH TLV:0.2MG/M3 FUME; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:SILICON *

CAS:7440-21-3

RTECS #:VW0400000

Fraction by Wt: 6.0%

Other REC Limits:NONE SPECIFIED

OSHA PEL:10 MG/M3 TDUST *

ACGIH TLV:10 MG/M3 TDUST; 9192

Ingred Name:TITANIUM, METAL

CAS:7440-32-6

RTECS #:XR1700000

Fraction by Wt: 0.5%

Other REC Limits:NONE SPECIFIED

Ingred Name:ALUMINUM (SARA III) *

CAS:7429-90-5

RTECS #:BD0

330000
Fraction by Wt: >85%
Other REC Limits:NONE SPECIFIED
OSHA PEL:15MG/M3 DUST/5 FUME
ACGIH TLV:10MG/M3 DUST; 9192 *

Ingred Name:MAGNESIUM
CAS:7439-95-4
RTECS #:OM2100000
Fraction by Wt: 6.0%
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:SHORT TERM EXPOSURE TO WELDING FUMES,
GASES OR DUS
T MAY RESULT IN DISCOMFORT SUCH AS DIZZINESS, NAUSEA,
FEVER, DRYNESS AND/OR IRRITATION OF NOSE, THROAT AND EYES. SKIN
SENSITIVITY MAY ALSO BE NOTED. L ONG TERM EXPOSURE TO
FUMES/GASES/DUST MAY CAUSE PULMONARY IRRITATION OR PNEUMOCONIOSIS;
& SIDEROSIS FROM IRON FUMES.
Explanation of Carcinogenicity:CHROMIUM & ALUMINUM ARE LISTED AS
CARCINOGENIC. RESPIRATORY CANCER FROM WELDING IS UNCONFIRMED.
Effects of Overexposure:EXPOSURE TO WELDING FUMES MAY RESULT IN
DISCOMFORT SUCH A
S DIZZINESS, NAUSEA, FEVER, DRYNESS AND/OR
IRRITATION OF NOSE, THROAT AND EYES. SKIN SENSITIVITY MAY ALSO BE
NOTED. WATERY EYES, HEADACHE, BREA THING DIFFICULTY, FREQUENT
COUGHING AND/OR CHEST PAINS MAY OCCUR FROM ACUTE EXPOSURE. TOXIC
GASES CAN BE FATAL.
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH IMPAIRED PULMONARY
FUNCTION OR ILLNESS MAY HAVE SYMPTOMS EXACERBATED BY IRRITANTS
CONTAINED IN WELDING FUMES.

===== First Aid Measures =====
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First Aid:IN CASE OF ELECTRICAL SHOCK, TURN OFF POWER PRIOR TO REMOVAL
FROM EXPOSURE AREA AND ADMINISTRATION OF FIRST AID. REMOVE FROM
EXPOSURE AREA AND CALL FOR MEDICAL AID. ADMINISTER OXYGEN IF
BREATHING IS D IFFICULT. IF NOT BREATHING, BEGIN ARTIFICIAL
RESPIRATION. IF NO DETECTABLE PULSE, BEGIN EXTERNAL HEART MASSAGE.
EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY THE AMERICAN RED CROSS.

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

Extin

quishing Media:NON-FLAMMABLE

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:HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:CLEAN UP ANY GRINDING DUST OR WASTE RESIDUES AND PLACE IN SUITABLE DOT APPROVED CONTAINERS AND DISPOSE OF IN FULL COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. AVOID INHALATION AND SKIN EXPOSURE.

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

Handling and Storage Precautions:WEAR GLOVES AND FLAME RETARDANT CLOTHING WHEN CUTTING, GRINDING OR WELDING. DO NOT EXPOSE SKIN TO RADIATION WHEN HOT CUTTING OR WELDING.

Other Precautions:PROVIDE PROTECTIVE SCREENS TO SHIELD OTHERS. WHEN ELECTRODES AND FLUXES ARE CONSUMED, THE FUME AND GAS DECOMPOSITION PRODUCTS GENERATED ARE DIFFERENT IN FORM FROM THE INGREDIENTS LISTED. NEW COMPOUNDS NOT IN THE ELECTRODES MAY FORM.

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

Respiratory Protection:USE WELD FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN CUTTING, GRINDING OR WELDING IN A CONFINED SPACE OR WHERE LOCAL EXHAUST OR GENERAL VENTILATION DOES NOT KEEP EXPOSURE BELOW RECOMMENDED LIMITS. USE ONLY NIOSH APPROVED RESPIRATORS.

Ventilation:USE ENOUGH VENTILATION WHEN CUTTING, GRINDING OR WELDING TO KEEP THE DUST, FUMES & GASES FROM THE WORKERS BREATHING ZONE

Protective Gloves:FLAMEPROOF GAUNTLET GLOVES

Eye Protection:OSHA APPROVED GOGGLES/FACE SHIELD W/LENS

Other Protective Equipment:FLAME RETARDANT CLOTHING WHEN CUTTING, GRINDING OR WELDING. DO NOT EXPOSE SKIN TO RADIATION WHEN HOT CUTTING OR WELDING.

Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING OR SMOKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safe

ty and Health

WELDING AND HOT CUTTING FUMES & GASES CANNOT BE CLASSIFIED SIMPLY. THEIR COMPOSITION AND QUANTITY ARE DEPENDENT ON THE METAL BEING WELDED, THE PROCEDURES, PROCESSES AND THE TYPE OF WIRE OR ELECTRODES USED. OTHER INFLUENCING FACTORS ARE THE PRESENCE OF CONTAMINANTS. CHLORINATED SOLVENTS MAY DECOMPOSE TO TOXIC GASES.

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

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:1600F,871C

Spec Gravity:8.4

Solubility in Water:

NEGLIGIBLE

Appearance and Odor:SILVER OR YELLOW TO RED IN COLOR, SOLID ROD, NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS & ALKALIES.

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:WELDING/CUTTING OPERATIONS MAY INCLUDE ELEMENTAL METALS, OXIDES OF THE METALS, FUMES/GASES & ELECTROMAGNETIC RADIATION.

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

Waste Di

posal Methods:DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS

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