

AUFHAUSER BROTHERS CORPORATION -- RBCUZN-A 0.062 -- 3439-00-268-9668

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

Product ID:RBCUZN-A 0.062

MSDS Date:02/02/1989

FSC:3439

NIIN:00-268-9668

MSDS Number: BKHLM

=== Responsible Party ===

Company Name:AUFHAUSER BROTHERS CORPORATION

Address:39 WEST MALL

City:PLAINVIEW

State:NY

ZIP:11803

Info Phone Num:(516) 694-8696

Emergency Phone Num:(516) 694-8696

CAGE:59401

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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:COPPER (SARA III)

CAS:7440-50-8

RTECS #:GL5325000

Fraction by Wt: 44-97%

Other REC Limits:1 MG(CU)/M3 (DUST)

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:ZINC (SAR

A III)
CAS:7440-66-6
RTECS #:ZG8600000
Fraction by Wt: 0-45%
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:IRON
CAS:7439-89-6
RTECS #:NO4565500
Fraction by Wt: 0-1.5%
OSHA PEL:10.0 MG/CUM
ACGIH TLV:10.0 MG/CUM

Ingred Name:MANGANESE (SARA III)
CAS:7439-96-5
RTECS #:OO9275000
Fraction by Wt: 0-1.5%
OSHA PEL:(C) 5 MG/M3 DUST
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:NICKEL (SARA III)
CAS:7440-02-0
RTECS #:QR5950000
Fraction by Wt: 0-13%
Other REC Limits:1 MG/CUM
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9192

Ingred Name:SILICON
CAS:7440-21-3
RTECS #:VW0400000
Fraction by Wt: 0-3.5%
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:TIN
CAS:7440-31-5
RTECS #:XP7320000
Fraction by Wt: 0-3%
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9192

Ingred Name:SILVER (SARA III)
CAS:7440-22-4
RTECS #:VW3500000
Fraction by Wt: 0-0.7%
Other REC Limits:10 UG/CUM
OSHA PEL:0.01 MG/M3
ACGIH TLV:0.1 MG/M3; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1

LB

Ingred Name:BORIC ACID, ORTHOBORIC ACID
CAS:10043-35-3
RTECS #:ED4550000
Fraction by Wt: 0-7%
OSHA PEL:5 MG/CUM
ACGIH TLV:5 MG/CUM

Ingred Name:SODIUM TETRABORATE, DECAHYDRATE
CAS:1303-96-4
RTECS #:VZ2275000
Fraction by Wt: 0-2%
OSHA PEL:10 MG/M3
ACGIH TLV:5 MG/M3; 9192

Ingred Name:ACRYLIC COPOLYMER
Fraction by Wt: 0-1%

Ingred Name:RESIDUAL MONOMER
Fraction by Wt: 0.01%

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:YES

Health Hazards Acute and Chronic:INHALATION: METAL FUME FEVER, DRYNESS OF THROAT, HEAD, BODY ACHE, CHILL, AFFECT THE CENTRAL NERVOUS SYSTEM LEADING TO EMOTIONAL DISTURBANCES, GAIT, BALANCE DIFFICULTIES, PARALYSIS, DISCOMFORT, DIZZINE SS, NAUSEA, IRRITATION OF THE NOSE, THROAT OR EYES. SKIN/EYES: INJURY & BURN.

Explanation of Carcinogenicity:NICKEL IS SUSPECTED CARCINOGEN FOR HUMANS.

Effects of Overexposure:INHALATION:

OVEREXPOSURE TO WELDING FUMES CAN LEAD TO SIDEROSIS (IRON DEPOSITS IN LUNG) & AFFECT PULMOANRY FUNCTION. ELECTRICK SHOCK CAN KILL. NOISE CAN DAMAGE HEARING. OVEREXPOSURE TO COPPER MAY RESU LT IN SKIN & HAIR DISCOLORATION.

Medical Cond Aggravated by Exposure:IMPAIRED RESPIRATORY FUNCTION

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

First Aid:INHALATION: IF BREATHING IS DIFFICULT, GIVE OXYGEN. IN CASE OF ELECTRICAL SHOCK DISCONNECT/TURN OFF POWER. IF

NOT BREATHING,
BEGIN ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF NO
DETECTABLE PULSE, BEGIN EXTERNAL HEART MASSAGE. AVOID FLAME BURN,
OBTAIN MEDICAL ATTENTION IN ALL CASES.

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

Flash Point:NON-FLAMMABLE

Extinguishing Media:NEVER USE WATER AS AN EXTINGUISHING AGENT AROUND
MOLTEN METAL

Unusual Fire/Explosion Hazard:WELDING ARC & SPARKS CAN IGNITE
COMBUSTIBLE & FLAMMABLE PRODUCTS.

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

Spill Release Procedures:SCRAPE METAL CAN BE RECLAIMED FOR REUSE.

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

Handling and Storage Precautions:FUMES/GASES CAN BE DANGEROUS TO YOUR
HEALTH. WELDING FUMES/GASES CAN'T BE CLASSIFIED SIMPLY.

Other Precautions:THE COMPOSITION/QUANTITY OF BOTH ARE DEPENDENT UPON
THE METAL BEING WELDED, THE PROCESS, PROCEDURES, & ELECTRODES USED.
PROVIDE PROTECTIVE SCREENS/FLASH GOGGLES
, IF NECESSARY, TO SHIELD
OTHERS.

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

Respiratory Protection:USE RESPIRABLE FUME OR AIR SUPPLIED RESPIRATOR
WHEN WELDING IN CONFINED SPACE, LOCAL EXHAUST OR VENTILATION
DOESN'T KEEP