

AUFHAUSER BROTHERS CORP -- AUPHAUSER 681/656/773/189/510/520/#1 FLUX --  
3439-00-244-4541

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

Product ID:AUPHAUSER 681/656/773/189/510/520/#1 FLUX

MSDS Date:01/01/1987

FSC:3439

NIIN:00-244-4541

MSDS Number: BJXJR

=== 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:ZINC (SARA III)

CAS:7440-66-6

RTECS #:ZG8600000

Fraction by Wt: 0-45%

Other REC Limits:NONE ESTABLISHED

OSHA PEL:10 MG ZNO/M3

ACGIH TLV:10 MG ZNO/M3; 9192

EPA Rpt Qty:1000 LBS

DOT R

pt Qty:1000 LBS

Ingred Name:IRON  
CAS:7439-89-6  
RTECS #:NO4565500  
Fraction by Wt: 0-1.5%  
Other REC Limits:NONE ESTABLISHED

Ingred Name:MANGANESE (SARA III)  
CAS:7439-96-5  
RTECS #:OO9275000  
Fraction by Wt: 0-1.0%  
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%  
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%  
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  
CAS:10043-35-3  
RTECS #:ED4550000  
Fraction by Wt: 0-7%  
Other REC Limits:NONE ESTABLISHED

Ingred Name:COPPER (SARA III)  
CAS:7440-50-8  
RTECS #:GL5325000  
Fraction by Wt: BAL.

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

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:SHORT TERM EXPOSURE TO WELDING FUME  
MAY RESULT IN DISCOMFORT, DIZZINESS, NAUSEA, OR DRYNESS OR  
IRRITATION OF THE THROAT. LONG TERM EXPOSURE TO WELDING FUMES, GASES  
OR DUST  
IT MAY CONTRIBUTE TO PULMONARY IRRITATION OR PNEUMOCONIOSIS.  
Explanation of Carcinogenicity:NICKEL IS LISTED BY IARC & NTP AS  
CARCINOGENIC.  
Effects of Overexposure:METALLIC TASTE,NAUSEA TIGHTNESS OF  
CHEST,FEVER,DIZZINESS.EYE,NOSE,THROAT DRYNESS AND IRRITATION.

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

First Aid:REMOVE FROM EXPOSURE AND OBTAIN PROMPT MEDICAL ATTENTION.IF  
UNCONSCIOUS,GIVE OXYGEN.IF NOT BREATHING GIVE CPR.EMPLOY FIRST AID  
TECHNIQUES RECOMMENDED BY AMERICAN RED CROSS.

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

Flash Point:NONE  
Extinguishing Media:EXTINGUISH WITH AGENT SUITABLE FOR SURROUNDING FIRE  
Unusual Fire/Explosion Hazard:WELDING ARC AND SPARKS CAN IGNITE  
COMBUSTIBLE PRODUCTS

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

Spill Release Procedures:CLEAN UP ANY GRINDING DUST OR WASTE RESIDUE  
AND PLACE IN SUITABLE DOT APPROVED DISPOSAL CONTAINER.

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

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.

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

Respiratory Protection:FUME RESP.OR AIR SUPPLIED RESP.IN CONFINED  
SPACES.  
Ventilation:LOCAL EXHAUST TO MAINTN BELOW TLV.  
Protective Gloves:WELDER'S GLOVES  
Eye Protection:FACE SHLD W/FILTER LENS.  
Other Protective

Equipment:SUBST.DK.CLOTH,ARM  
PROTECTOR,APRON,HAT,SHOULDR.PROTECTION.  
Supplemental Safety and Health

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

HCC:N1

Appearance and Odor:WELDING ROD 0.187 IN DIA.BY 36 IN LONG

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

Stability Indicator/Materials to Avoid:YES

Hazardous Decomposition Products:FUMES OF METALS AND METAL  
OXIDES,CO,NO\*2,O\*3.

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

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Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL,STATE AND  
FEDERAL REGULATIONS

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