

DEGUSSA METAL GROUP -- MET-BRAZE 541 -- 3439-00-555-2870

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

Product ID:MET-BRAZE 541

MSDS Date:05/07/1993

FSC:3439

NIIN:00-555-2870

MSDS Number: BRRKJ

=== Responsible Party ===

Company Name:DEGUSSA METAL GROUP

Address:3900 SOUTH CLINTON AVE

City:SOUTH PLAINFIELD

State:NJ

ZIP:07080-1316

Country:US

Info Phone Num:908-561-1100

Emergency Phone Num:908-561-1100

CAGE:LO585

=== 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

Company Name:DEGUSSA METAL GROUP

Address:3900 SOUTH CLINTON AVE

Box:City:SOUTH PLAINFIELD

State:NJ

ZIP:07080-1316

Country:US

Phone:908-561-1100

CAGE:LO585

Company Name:METZ METALLURGICAL CORP.

Address:3900 SOUTH CLINTON AVENUE

Box:City:SOUTH PLAINFIELD

State:NJ

ZIP:07080

Country:US

Phone:908-561-1100

CAGE:40057

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

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Ingred Name:SILVER (SARA III)
CAS:7440-22-4
RTECS #:VW3500000
Fraction by Wt: 10-70%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.01 MG/M3
ACGIH TLV:0.1 MG/M3; 9293
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:COPPER (SARA III)
CAS:7440-50-8
RTECS #:GL5325000
Fraction by Wt: 10-80%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1MG/M3 FUME/1 DUST
ACGIH TLV:0.2MG/M3 FUME; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ZINC (SARA III)
CAS:7440-66-6
RTECS #:ZG8600000
Fraction
by Wt: 1-40%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG ZNO/M3
ACGIH TLV:10 MG ZNO/M3; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:NICKEL (SARA III)
CAS:7440-02-0
RTECS #:QR5950000
Fraction by Wt: 0.1-10%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9293

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

LD50 LC50 Mixture:NOT SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinog

enicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:DUST OR FUME MAY CAUSE LOCAL SKIN IRRITATION. DUST AND FUME MAY CAUSE IRRITATION OF THE UPPER RESPIRATORY TRACT. MAY BE MODERATELY TOXIC IF FUME OR DUST IS INGESTED. CHRONIC EFFECTS: ARGYRIA, METAL FU ME FEVER, CONJUNCTIVITIS, DERMATITIS, PULMONARY ASTHMA, CANCER.

Explanation of Carcinogenicity:NICKEL IS A CONFIRMED HUMAN CARCINOGEN AND LISTED BY NTP AND IARC.

Effects of Overexposure:EYE IRRITATION, SKIN IRRITATION, UPPER

RESPIRATORY TRACT IRRITATION, NAUSEA, VOMITING, DIARRHEA.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: WASH WITH WATER FOR 15 MINUTES LIFTING EYELIDS OCCASIONALLY. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. SKIN: WASH THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. INHALATION: REMOVE FROM EXPOSURE.IF DIFFICULTY IN BREATHING EXISTS ADMINISTER OXYGEN. IF DISCOMFORT PERSISTS, SEEK MEDICAL ATTENTION. INGESTION: IF DISCOMFORT EXISTS, SEEK MEDICAL ATTENTION.

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

Flash Point:NONFLAMMABLE

Lower Limits:NONFLAMMABLE

Upper Limits:NONFLAMMABLE

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL

Fire Fighting Procedures:WEAR SELF CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:USE EXTINGUISHER APPROVED FOR METAL FIRES. SILVER WIT H AMMONIA CAN PRODUCE EXPLOSIVE SALTS AND COMPOUNDS WHEN DRIED.

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

Spill Release Procedures:COLLECT MATERIAL AND PLACE IN A SEALABLE CONTAINER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:DO NOT STORE WITH INCOMPATIBLE MATERIALS. WELDING, BRAZING AND MELTING SHOULD BE PERFORMED WITH THE PROPER PERSONAL PRO

TECTIVE EQUIPMENT.

Other Precautions:PERFORM ALL WELDING, BRAZING AND MELTING IN
ACCORDANCE WITH SAFE "HOT WORK" PROCEDURE.

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

Respiratory Protection:MSA APPROVED HIGH EFFICIENCY PARTICLE
RESPIRATOR.

Ventilation:PROVIDE HOOD, FACE VELOCITY GREATER THAN 100 FT PER MINUTE
FOR DUST. AT LEAST 300 FT PER MINUTE FOR MELTING OPERATIONS.

Protective Gloves:COTTON OR LATEX-DUST, LEATHER-WELDING

Eye Protection:SPLASH GOGGLES OR
FACE SHIELD

Other Protective Equipment:NORMAL WELDING/BRAZING PERSONAL PROTECTIVE
EQUIPMENT.

Work Hygienic Practices:AVOID INHALATION OR INGESTION. DO NOT EAT OR
DRINK WHEN HANDLING THIS MATERIAL.

Supplemental Safety and Health

OTHER HEALTH EFFECTS: HYPERSENSITIVITY TO NICKEL , ALLERGIC REACTION TO
NICKEL. AN EXPERIMENTAL NEOPLASTINGEN, TUMORIGEN AND TERATOGEN.

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

HCC:N1

Boiling Pt:B.P. Text:NOT GIVEN

Melt/Freeze Pt:

M.P/F.P Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NIL

Spec Gravity:8.0 - 10.0

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:NEGLIGIBLE

Appearance and Odor:WHITE METAL, SOLID AT NORMAL TEMPERATURE, NO ODOR

Percent Volatiles by Volume:NIL

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

Stability Indicator/Materials to Avoid:YES

ACETYLENE, AZRIDINE, AMMONIA, BROMINE AZIDE, 1-BROMO-2-PROPYNE,
CHLORINE TRIFLUORIDE, ETHYLENE OXIDE, TARTARIC ACID

Stabi

lity Condition to Avoid:OVERHEATING WHILE BRAZING OR MELTING
Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:RETURN FOR RECLAMATION OR DISPOSE OF IN
ACCORDANCE WITH ALL LOCAL, STATE OR FEDERAL REGULATIONS.

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