

MG INDUSTRIES, WELDING PRODUCT DIVISION -- MG 500 -- 3439-00-027-0841

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Product Identification  
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Product ID:MG 500

MSDS Date:11/25/1985

FSC:3439

NIIN:00-027-0841

MSDS Number: BPXTP

=== Responsible Party ===

Company Name:MG INDUSTRIES, WELDING PRODUCT DIVISION

Address:N94 W14335 GARWIN MACE DR

City:MENOMONEE FALLS

State:WI

ZIP:53051

Country:US

Info Phone Num:414-255-5520

Emergency Phone Nu

m:414-255-5520

CAGE:60097

=== Contractor Identification ===

Company Name:MG INDUSTRIES, WELDING PRODUCT DIVISION

Address:N94 W14335 GARWIN MACE DR

Box:City:MENOMONEE FALLS

State:WI

ZIP:53051

Country:US

Phone:414-255-5520

CAGE:60097

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Composition/Information on Ingredients  
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Ingred Name:IRON

CAS:7439-89-6

RTECS #:NO4565500

Other REC Limits:NONE SPECIFIED

OSHA PEL:5 MG/M3

ACGIH TLV:10 MG/M3 AS FE2O3

Ingred Name:MANGANESE (SARA III)

CAS:7439-96-5

RTECS #:OO9275000

Other

REC Limits:NONE SPECIFIED  
OSHA PEL:(C) 5 MG/M3 DUST  
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:TITANIUM DIOXIDE  
CAS:13463-67-7  
RTECS #:XR2275000  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:CELLULOSE (PAPER FIBER)  
CAS:9004-34-6  
RTECS #:FJ5691460  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3; 9192

Ingred Name:CRYSTALLINE SILICA (PC)  
CAS:112945-52-5  
RTECS #:VV7310000  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:0.1 MG/  
M3 RESP  
ACGIH TLV:0.1 MG/M3 RESP

Ingred Name:POTASSIUM SILICATE  
CAS:1312-76-1  
Other REC Limits:NONE SPECIFIED

Ingred Name:SODIUM SILICATE  
CAS:1344-09-8  
Other REC Limits:NONE SPECIFIED

Ingred Name:SILICON  
CAS:7440-21-3  
RTECS #:VW0400000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:SODIUM TITANATE  
CAS:12034-34-3  
Other REC Limits:NONE RECOMMENDED

Ingred Name:POTASSIUM TITANATE  
CAS:12030-97-6  
Other REC Limits:NONE RECOMMENDED

Ingred Name:

POTASSIUM ALUMINUM SILICATE (FELDSPAR)

CAS:68476-25-5

Other REC Limits:NONE RECOMMENDED

Ingred Name:GRAPHITE, NATURAL

CAS:7782-42-5

RTECS #:MD9659600

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MPPCF RDUST

ACGIH TLV:2 MG/M3 RDUST; 9293

Ingred Name:IRON OXIDE

CAS:1309-38-2

RTECS #:OM4800000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3

ACGIH TLV:10 MG/M3 (AS FE203)

Ingred Name:CALCIUM CARBONATE (MARBLE) (LIMESTONE)

CAS:1317-65-3

RTECS #:EV9580000

Other REC Limits:NONE RECOMMENDED

OSHA P

EL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:NICKEL (SARA III)

CAS:7440-02-0

RTECS #:QR5950000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9293

Ingred Name:MOLYBDENUM

CAS:7439-98-7

RTECS #:QA4680000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3; 9293

Ingred Name:CHROMIUM (SARA III)

CAS:7440-47-3

RTECS #:GB4200000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:0.5 MG/M3; 9293

EPA Rpt Qty:1 LB

DOT Rpt Qty:1

LB

Ingred Name:FLUORSPAR

CAS:14542-23-5

Other REC Limits:NONE RECOMMENDED

Ingred Name:POTASSIUM HYDROXIDE (SARA III)

CAS:1310-58-3

RTECS #:TT2100000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C, 2 MG/M3

ACGIH TLV:C 2 MG/M3; 9293

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:FUMES AN

D GASES CAN BE DANGEROUS TO

YOUR HEALTH. LONG-TERM (CHRONIC) OVEREXPOSURE MAY LEAD TO SIDEROSIS (IRON DEPOSITS IN THE LUNGS) AND IS BELIEVED BY SOME INVESTIGATORS TO AFFECT PULMONARY FUNCTION. ARC RAYS CAN INJURE EYES AND BURN SKIN. ELECTRIC SHOCK CAN KILL.

Explanation of Carcinogenicity:NICKEL AND CHROMIUM ARE CONSIDERED

CARCINOGENIC BY NTP AND IARC. ONLY CHROMIUM IS REGULATED BY OSHA.

Effects of Overexposure:SHORT-TERM (ACUTE) OVEREXPOSURE TO WELDING

FUMES MAY RESULT I

N DISCOMFORT SUCH AS: DIZZINESS, NAUSEA, OR

DRYNESS OR IRRITATION OF NOSE, THROAT OR EYES.

Medical Cond Aggravated by Exposure:PRE-EXISTING RESPIRATORY OR

ALLERGIC CONDITION MAY BE ARRGAVATED IN SOME INDIVIDUALS.

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

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 DIFFICULT. 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 =====

Flash Point:NON-FLAMMABLE

Extinguishing Media:NONE SPECIFIED BY MANUFACTURER.

Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.

Unusual Fire/Explosion Hazard:WELDING ARC AND SPARKS CAN IGNITE COMBUSTIBLES. REFER TO A

AMERICAN NATIONAL STANDARD Z49.1 FOR FIRE PREVENTION DURING WELDING.

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

Spill Release Procedures:PICK UP RODS FOR REUSE OR RECYCLE.

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

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.

Other Precautions:READ AND UNDERSTAND THE MANUFACTURER'S INSTRUCTIONS AND THE PRECAUTIONARY LABEL ON THIS PRODUCT. SEE AMERICAN NATIONAL STANDARD Z- 49.1,

SAFETY IN WELDING AND CUTTING, PUBLISHED BY THE AMERICAN WELDING SOCIETY, P.O. BOX 451040, MIAMI, FL.

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

Respiratory Protection:USE SCBA OR AIR SUPPLIED RESPIRATOR WHEN WELDING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.

Ventilation:USE ENOUGH VENTILATION, LOCAL EXHAUST AT THE ARC, OR BOTH TO KEEP THE FUMES & GASES BELOW THE TLV IN THE GENERAL AREA.

Protective Gloves:

WELDOR'S GLOVES, ARM PROTECTORS.

Eye Protection:WELDER Goggles/PROTECTIVE FACE SHIELD.

Other Protective Equipment:WEAR HEAD, HAND & BODY PROTECTION (APRONS, HATS, SHOULDER PROTECTION, AS WELL AS SUBSTANTIAL CLOTHING.

Work Hygienic Practices:TRAIN THE WELDER NOT TO TOUCH LIVE ELECTRICAL PARTS AND TO INSULATE HIMSELF FROM WORK AND GROUND.

Supplemental Safety 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

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

Stability Indicator/Materials to Avoid: YES

STRONG ACIDS AND ALKALIS

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Dec

Composition Products: FUME CONSTITUENTS WOULD INCLUDE

COMPLEX OXIDES OF IRON, CHROMIUM, MANGANESE, SILICON, NICKEL & MOLYBDENUM.

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

Waste Disposal Methods: DISPOSE OF ANY GRINDING DUST OR WASTE RESIDUE IN ACCORDANCE WITH EPA OR LOCAL REGULATIONS.

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