

MG INDUSTRIES, WELDING PRODUCT DIVISION -- MG 560 -- 3439-00-766-7749

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

Product ID:MG 560

MSDS Date:11/25/1985

FSC:3439

NIIN:00-766-7749

MSDS Number: BQGPJ

=== 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 Num

: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

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

Ingred Name:IRON

CAS:7439-89-6

RTECS #:NO4565500

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3

ACGIH TLV:10 MG/M3 AS FE2O3

Ingred Name:MANGANESE (SARA III)

CAS:7439-96-5

RTECS #:OO9275000

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

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

Ingred Name:SILICA GEL
CAS:112945-52-5
RTECS #:VV7310000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:6 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST

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

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

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

Ingred Name:POTASSIUM TITANATE
CAS:120303-97-6
Other REC Limits:NONE RECOMMENDED

Ingred Name

:POTASSIUM ALUMINUM SILICATE (FELDSPAR)

CAS:68476-25-5

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:2 MG/M3

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:1309-37-1

RTECS #:NO7400000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10 MG/M3 (FE)

ACGIH TLV:5 MG/M3(FE),B2; 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:CALCIUM CARBONATE (MARBLE) (LIMESTONE)

CAS:1317-65-3

RTECS #:EV9580000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 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 (CALCIUM FLUORIDE)
CAS:14542-23-5
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2.5 MG/M3 AS F
ACGIH TLV:2.5 MG/M3 AS F

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

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

LD50 LC50 Mixture:NOT OTHERWISE CLASSIFIED IS 5 MG/M3

Routes

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

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

Health Hazards Acute and Chronic:FUMES AND 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
CARCINO

GENIC BY NTP AND IARC. ONLY CHROMIUM IS CONSIDERED
CARCINOGENIC BY OSHA.

Effects of Overexposure:SHORT-TERM (ACUTE) OVEREXPOSURE TO WELDING
FUMES MAY RESULT IN 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 ARRGA VATED IN SOME INDIVIDUALS.

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

First Aid:CALL FOR MEDICAL AID. EMPLOY FIR

ST AID TECHNIQUES RECOMMENDED
BY 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 AMERICAN NATIONAL STANDARD Z49.1 FOR FIRE
PREVENTION DURING WELDING.

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

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Il Release Procedures:NONE SPECIFIED BY MANUFACTURER.

===== 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 WELDIN G SOCIETY, P.O. BOX 451040, MIAMI, FL.

===== Exposure Controls/Persona
l Protection =====

Respiratory Protection:USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIES
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 & GAESE BELOW THE TLV IN THE GENERAL AREA.

Protective Gloves:WELDOR'S GLOVES, ARM PROTECTORS.

Eye Protection:PROTECTIVE FACE SHIELD.

Other Protective Equipment:WEAR HEAD, HAND & BODY PROT
ECTION (APRONS,

HATS, SHOULDER PROTECTION, AS WELL AS DARK 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 FUMES CANNOT BE CLASSIFIED SIMPLY. THE COMPOSITION AND QUANTITY
OF BOTH ARE DEPENDENT UPON THE MATERIAL BEING WELDED, THE PROCESS,
PROCEDURES AND ELECTRODES USED.

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

HCC:N1

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

Stability Indicator/Materials to Avoid: YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition 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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