

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

Oth

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 ARRGAVATED 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 =====

Spi  
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 WELDING SOCIETY, P.O. BOX 451040, MIAMI, FL.

===== Exposure Controls/Personal 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 & GASES BELOW THE TLV IN THE GENERAL AREA.

Protective Gloves:WELDER'S GLOVES, ARM PROTECTORS.

Eye Protection:PROTECTIVE FACE SHIELD.

Other Protective Equipment:WEAR HEAD, HAND & BODY PROTECTION (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.

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of th  
is information to their  
particular situation.