

MG 6309

MSDS Number

BSBKH

National Stock Number

3439-00N040469

Product Name

MG 6309

Manufacturer

MG INDUSTRIES WELDING PRODUCTS

Product Identification

Product ID:MG 6309
MSDS Date:08/01/1990
FSC:3439
NIIN:00N040469
MSDS Number: BSBKH

Responsible Party

MG INDUSTRIES-WELDING PRODUCTS
N94 W14355 GARWIN MACE DR
MENAMONEE FALLS , WI 53051
US

Emergency Phone: 414-255-5520

Info Phone: 414-255-5520

Cage: 3N803

Contractor

MG INDUSTRIES-WELDING PRODUCTS
MENAMONEE FALLS, WI 53051
US
414-255-5520
Cage: 3N803

Ingredients

CALCIUM CARBONATE

CAS: 1317-65-3

RTECS: EV9580000

Fraction By Weight: 1-11%

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST

FLUORSPAR; (CALCIUM FLUORIDE)

CAS: 14542-23-5

Fraction By Weight: 1-11%

OSHA PEL2.5 MG/M3 AS F

ACGIH TLV: 2.5 MG/M3 AS F

CHROMIUM OXIDE

CAS: 1308-38-9

RTECS: GB6475000

Fraction By Weight: 0.1-3.1%

OSHA PEL0.5 MG/M3 (CR)

ACGIH TLV: 0.5 MG/M3 (CR)

SODIUM SILICATE

CAS: 1344-09-8

Fraction By Weight: 0.1-2.1%

ACGIH TLV: 5 MG/M3 (MFR)

POTASSIUM ALUMINUM SILICATE; (FELDSPAR)

CAS: 68476-25-5

Fraction By Weight: 1-11%

ACGIH TLV: 2 MG/M3 (MFR)

FILTER LENS. AS RULE OF THUMB, START W/SHADE

RTECS: 9999999ZZ

WHICH GIVES SUFFICIENT VIEW OF WELD ZONE. PROVIDE

RTECS: 9999999ZZ

IRON

CAS: 7439-89-6

RTECS: NO4565500

Fraction By Weight: 45-55%

OSHA PEL10 MG/M3

ACGIH TLV: 5 MG/M3

CHROMIUM (SARA III)

CAS: 7440-47-3

RTECS: GB4200000

Fraction By Weight: 16-26%

OSHA PEL1 MG/M3

ACGIH TLV: 0.5 MG/M3

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

NICKEL (SARA III)

CAS: 7440-02-0

RTECS: QR5950000

Fraction By Weight: 5-15%

OSHA PEL1 MG/M3

ACGIH TLV: 1 MG/M3

MANGANESE (SARA III)

CAS: 7439-96-5

RTECS: OO9275000

Fraction By Weight: 1-11%

OSHA PEL5 MG/M3 DUST

ACGIH TLV: 5 MG/M3 DUST

SILICON

CAS: 7440-21-3

RTECS: VW0400000

Fraction By Weight: 0.1-2.1%

OSHA PEL10 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST

TITANIUM OXIDE; (TITANIUM DIOXIDE)

CAS: 13463-67-7

RTECS: XR2275000

Fraction By Weight: 1-11%

OSHA PEL10 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST

POTASSIUM SILICATE

CAS: 1312-76-1

Fraction By Weight: 0.1-2.1%

ACGIH TLV: 5 MG/M3 (MFR)

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:FUMES & GASES CAN BE DANGEROUS TO YOUR HEALTH. ACUTE:SHORT-TERM OVEREXPOSURE TO WELDING FUMES MAY RESULT IN DISCOMFORT SUCH AS: DIZZINESS, NAUSEA OR DRYNESS/IRRITATION OF NOSE, THROAT OR EYES. CHRONIC :LONG-TERM OVEREXPOSURE MAY LEAD TO SIDEROSIS (IRON DEPOSITS IN THE LUNGS) & IS BELIEVED BY SOME (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NICKEL:GRP 2B (IARC VOL49, P257, '90), ANTICIP TO BE A CARCIN (NTP 6TH ANN RPT, '91).

Effects of Overexposure:HLTH HAZ:INVESTIGATORS TO AFFECT PULMONARY FUNCTION. ARC RAYS INJURE EYES & BURN SKIN. ELECTRIC SHOCK CAN KILL.

Medical Cond Aggravated by Exposure:PREEXISTING RESPIRATORY OR ALLERGIC CONDITIONS MAY BE AGGRAVATED IN SOME INDIVIDUALS.

First Aid

First Aid:CALL FOR MEDICAL AID. EMPLOY FIRST AID TECHNIQUES RECOMMENDED BY AMERICAN RED CROSS. INGEST:CALL MD IMMEDIATELY . INHAL:REMOVE TO FRESH AIR. SUPPORT BREATHING (GIVE O*2/ARTF RESP) . EYES:IMMEDIATELY FLUSH W/POTABLE WATER FOR A MINIMUM OF 15 MINUTES, SEEK ASSISTANCE FROM MD . SKIN:FLUSH W/COPIOUS AMOUNTS OF WATER. CALL MD .

Fire Fighting

Flash Point:NON-FLAMMABLE
Extinguishing Media:MEDIA SUITABLE FOR SURROUNDING FIRE .
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT .
Unusual Fire/Explosion Hazard:WELDING ARC & SPARKS CAN IGNITE COMBUSTIBLES. REFER TO AMERICAN NATIONAL STANDARD Z49.1 FOR FIRE PREVENTION DURING WELDING.

Accidental Release

Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:READ & UNDERSTAND MFR'S INSTRUCTIONS & PRECAUTIONARY LBL ON THIS PROD. SEE ANSI Z-49.1 & OSHA 29 CFR 1910 FOR MORE DETAIL.
Other Precautions:TRAIN WELDOR TO KEEP HIS HEAD OUT OF FUMES. TRAIN WELDOR NOT TO TOUCH LIVE ELEC PARTS & TO INSULATE HIMSELF FROM WORK & GROUND. WEAR HEAD, HAND & BODY PROT WHICH HELP TO PVNT INJURY FROM RADIATION, SP ARKS & ELEC SHOCK. SEE ANSI Z-49.1.

Exposure Controls

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRABLE FUME/AIR SUPPLIED RESP WHEN WELDING IN CONFINED SPACE OR WHERE LOCAL EXHAUST OR VENT DOES NOT KEEP EXPOSURE BELOW TLV.
Ventilation:USE ENOUGH VENT, LOC EXHST AT ARC, OR BOTH TO KEEP FUMES & GASES BELOW TLV'S IN WORKERS BRTHG ZONE & GENERAL AREA.
Protective Gloves:WELDOR'S GLOVES.
Eye Protection:WEAR HELMET/USE FACE SHIELD W/ (ING 13)
Other Protective Equipment:MAY INCLUDE ARM PROTECTORS, APRONS, HATS, SHOULDER PROTECTION, AS WELL AS DARK SUBSTANTIAL CLOTHING.
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
HAZ DECOMP PROD:SILICON, NICKEL & MOLYBDENUM. FUME LIM FOR CR VI (0.05 MG/M3) MAY BE REACHED BEFORE LIM OF 5 MG/M3 FOR GEN WELDING FUMES IS REACHED. MONITOR CR VI LEVEL. GASEOUS RXN PRODS MAY INCL CAR BON MONOXIDE & CARBON DIOXIDE. OZONE & NITROGEN OXIDES MAY BE FORMED BY RADIATION FROM THE ARC IN TIG WELDING.

Chemical Properties

Appearance and Odor:NONE SPECIFIED BY MANUFACTURER.

Stability

Stability Indicator/Materials to Avoid:YES
NONE SPECIFIED BY MANUFACTURER.
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:REASONABLY EXPECTED FUME CONSTITUENTS WOULD INCL FLUORIDES & COMPLEX OXIDES OF IRON, CHROMIUM, MAGNESIUM, (SUPDAT)

Disposal

Waste Disposal Methods:DISPOSE OF ANY GRINDING DUST OR WASTE RESIDUES I/A/W EPA OR LOCAL, STATE & FEDERAL 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 this information to their particular situation.