

MARCO CO -- MARCOLOY 203 -- 3439-01-155-2376

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Product Identification
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Product ID:MARCOLOY 203

MSDS Date:10/05/1990

FSC:3439

NIIN:01-155-2376

MSDS Number: BMGSP

=== Responsible Party ===

Company Name:MARCO CO

Address:5722 UNION PACIFIC AVENUE

City:LOS ANGELES

State:CA

ZIP:90022-5135

Country:US

Info Phone Num:213-723-0711

Emergency Phone Num:213-723-0711

CAGE:55278

=== Contractor Identifi
cation ===

Company Name:MARCO CO

Address:5722 UNION PACIFIC AVENUE

Box:City:LOS ANGELES

State:CA

ZIP:90022-5135

Country:US

Phone:213-723-0711

CAGE:55278

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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 (MFR)

ACGIH TLV:10 MG/M3 FE2O3 (MFR)

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/M

3 DUST 9293

Ingred Name:SILICON

CAS:7440-21-3

RTECS #:VW0400000

Other REC Limits:NONE SPECIFIED

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 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:CALCIUM CARBONATE (MARBLE) (LIMESTONE)

CAS:1317-65-3

RTECS #:EV9580000

Other REC Limits:NONE SPECIFIED

OSHA PEL:5 MG/M3 CAO (MFR)

ACGIH TLV:10 MG/M3 TDUST; 9192

Ingred Name:SILICA GEL/SILICONE DIOXIDE

CAS:112945-52-5

RTECS #:VV7310000

Other REC Limits:NONE SPECIFIED

OSHA PEL:5 MG/M3 (MFR)

ACGIH TLV:3 MG/M3 (MFR)

Ingred Name:POTASSIUM TITANATE

CAS:12030-97-6

Other REC Limits:NONE SPECIFIED

ACGIH TLV:10 MG/M3 (MFR)

Ingred Name:SODIUM TITANATE

CAS:12034-34-3

Other REC Limits:NONE SPECIFIED

ACGIH TLV:10 MG/M3 (MFR)

Ingred Name:FE

LDSPAR
CAS:68476-25-5
Other REC Limits:NONE SPECIFIED
ACGIH TLV:2 MG/M3 (MFR)

Ingred Name:MAGNETITE/IRON OXIDE
CAS:1309-38-2
Other REC Limits:NONE SPECIFIED
OSHA PEL:5 MG/M3 (MFR)
ACGIH TLV:10 MG/M3 FE2O3 (MFR)

Ingred Name:GRAPHITE, NATURAL
CAS:7782-42-5
RTECS #:MD9659600
Other REC Limits:NONE SPECIFIED
OSHA PEL:15 MPPCF RDUST
ACGIH TLV:2 MG/M3 RDUST; 9293

Ingred Name:ALPHA-ALUMINA (ALUMINUM OXIDE) (EPA LISTS ONLY FIBROUS
FORMS) (SARA III)
CAS:1344-28-1
RTECS #:BD1200000
Other REC Limits:NONE SPECIFIED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:POTASSIUM SILICATE
CAS:1312-76-1
Other REC Limits:NONE SPECIFIED
ACGIH TLV:5 MG/M3 (MFR)

Ingred Name:SODIUM SILICATE
CAS:1344-09-8
Other REC Limits:NONE SPECIFIED
ACGIH TLV:5 MG/M3 (MFR)

Ingred Name:CARBON BLACK
CAS:1333-86-4
RTECS #:FF5800000
Other REC Limits:NONE SPECIFIED
OSHA PEL:3.5 MG/M3
ACGIH TLV:3.5 MG/M3; 9192

==== Hazards Identification =====

Routes of Entry: Inha

Irritation: YES Skin: YES Ingestion: NO

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

Health Hazards Acute and Chronic: ACUTE-FUMES & GASES CAN BE DANGEROUS TO YOUR HEALTH. EYES/SKIN: ARC RAYS CAN INJURE EYES & BURNS SKIN. INHALED: WELDING FUMES MAY RESULT IN DISCOMFORT (DIZZINESS, NAUSEA), DRYNESS & IRRITATION OF NOSE, THROAT/EYES. ELECTRIC SHOCK CAN KILL. CHRONIC-INHALED: IRON MAY DEPOSIT IN LUNG & AFFECTS PULMONARY FUNCTION.

Effects of Overexposure: FUMES & GASES CAN BE DANGEROUS TO YOUR HEALTH.

ARC RAYS CAN INJURE EYES & BURNS SKIN. WELDING FUMES MAY RESULT IN DISCOMFORT (DIZZINESS, NAUSEA), DRYNESS & IRRITATION OF NOSE, THROAT/EYES. ELECTRIC SHOCK CAN KILL.

Medical Condition Aggravated by Exposure: PERSONS WITH A HISTORY OF AILMENTS OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES OR RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

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First Aid Measures
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First Aid: CALL FOR MEDICAL AID. EMPLOY FIRST AID TECHNIQUES RECOMMENDED

BY THE AMERICAN RED CROSS. INHALED: REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. IN CASE OF ELECTRICAL SHOCK, TURN OFF POWER & FOLLOW RECOMMENDED TREATMENT. IN CASE OF BURNS, CALL PHYSICIAN.

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Fire Fighting Measures
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Flash Point: NONFLAMMABLE

Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL FOR SURROUNDING FIRE.

Fire Fighting Procedures: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A

FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard: WELDING ARC AND SPARKS CAN IGNITE COMBUSTIBLE MATERIALS.

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Accidental Release Measures
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Neutralizing Agent: NOT APPLICABLE.

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Handling and Storage
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Handling and Storage Precautions: STORE IN A DRY PLACE.

Other Precautions: READ AND UNDERSTAND THE MANUFACTURER'S INSTRUCTIONS AND THE

PRECAUTIONARY LABEL ON THE PRODUCT. AVOID BREATHING FUMES.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE RESPIRABLE FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHILE WELDING IN CONFINED SPACE OR GENERAL WORK AREA.

Ventilation:LOCAL EXHAUST AT THE ARC.

Protective Gloves:WELDER'S GLOVES

Eye Protection:HELMET OR FACE SHIELD WITH FILTER LENS

Other Protective Equipment:W

EAR HAND, HEAD AND BODY PROTECTION WHICH HELP TO PREVENT INJURY FROM RADIATION, SPARKS AND ELECTRICAL SHOCK.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

INSULATE FROM WORK AND GROUND. TRAIN THE WELDER NOT TO PERMIT ELECTRICALLY LIVE PARTS TO CONTACT SKIN OR CLOTHING OR GLOVES IF THEY ARE WET.

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

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HCC:N1

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS

Stability Condition to Avoid:OPEN FLAMES

Hazardous Decomposition Products:CO, CO2, OZONE, NITROGEN OXIDE, COMPLEX OXIDES OF IRON, MANGANESE, SILICON MAY BE FORMED.

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT.DISCARD ANY PRODUCT, RESIDUE, DISP

OSABLE CONTAINER OR

LINER IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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