

ERVIN INDUSTRIES INC -- S-110 AMASTEEL SHOT AMABRASIVE -- 5350-00F018252

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Product Identification
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Product ID:S-110 AMASTEEL SHOT AMABRASIVE
MSDS Date:02/10/1989
FSC:5350
NIIN:00F018252
MSDS Number: BKXMV
=== Responsible Party ===
Company Name:ERVIN INDUSTRIES INC
Address:3893 RESEARCH PARK DRIVE
Box:1168
City:ANN ARBOR
State:MI
ZIP:48108-2217
Info Phone Num:(313) 769-4600
Emergency Phone Num:(313) 769-4600
Preparer's Name:DAVID A. HALE
CAGE:55807
=== Contractor Identification ===
Company Name:ERVIN INDUSTRIES INC
Address:3893 RESEARCH PARK DR
Box:City:ANN ARBOR
State:MI
ZIP:48108-2217
Country:US
Phone:313-769-4600
CAGE:55807

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Composition/Information on Ingredients
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Ingred Name:MANGANESE (SARA III)
CAS:7439-96-5
RTECS #:009275000
Fraction by Wt: 0.5-1.3%
OSHA PEL:(C) 5 MG/M3 DUST
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:SILICON
CAS:7440-21-3
RTECS #:VW0400000
Fraction by Wt: 0.3-1.2%
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:IRON
CAS:7439-89-6
RTECS #:NO4565500
Fraction by Wt: >96%
OSHA PEL:10 MG/CUM
ACGIH TLV:5 MG/CUM

Ingred Name:GRAPHITE, SYNTHETIC
CAS:7440-44-0
RTECS #:FF5250100
Fraction by Wt: 0.8-1.3%
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:2 MG/M3 TDUST; 9293

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION: MANGANESE DUST OR FUME CAN
CAUSE METAL FUME FEVER & NOSE IRRITATION. INGESTION: MANGANESE
POISONING & MOUTH IRRITATION. EYES: IRRITATION CAUSED BY SHOT,
GRIT, OR DUST PARTICLES.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:INHALATION: MANGANESE DUST OR FUME CAN CAUSE
METAL FUME FEVER OR NOSE IRRITATION. EYES: IRRITATION CAUSED BY
SHOT, GRIT, OR DUST PARTICLES. INGESTION: MANGANESE POISONING OR
MOUTH IRRITATION.

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First Aid Measures
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First Aid:INHALATION: REMOVE TO FRESH AIR. EYES: FLUSH W/WATER TO
REMOVE ANY REMAINING PARTICLES. INGESTION: OBTAIN MEDICAL ATTENTION
IN ALL CASES.

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Fire Fighting Measures
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Extinguishing Media:DRY CHEMICALS OR SAND TO EXCLUDE AIR.
Fire Fighting Procedures:CAST STEEL SHOT & GRIT WILL NOT BURN OR
EXPLODE.
Unusual Fire/Explosion Hazard:A MILD FIRE OR EXPLOSION HAZARD SITUATION
MAY BE CREATED DUE TO THE FINE DUST THAT MAY RESULT FROM USE.
AUTOIGNITION TEMP: (SOLID IRON EXPOSED TO OXYGEN) 1706F.

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Accidental Release Measures
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Spill Release Procedures:SPILLS & LEAKS ON FLOOR CAN CREATE HAZARDOUS
WALKING CONDITIONS. WEAR PROTECTIVE EQUIPMENT. RECLAIM FOR REUSE.

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Handling and Storage
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Handling and Storage Precautions:KEEP DRY TO REDUCE RUSTING. OBSERVE
MAXIMUM FLOOR LOADING LIMITATIONS. SHOT/GRIT BREAKS DOWN INTO
PROGRESSIVELY SMALLER PARTICLES DURING NORMAL USE.

Other Precautions:AVOID CONTACT W/EYES.

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Exposure Controls/Personal Protection

Respiratory Protection:IF THE DUST CREATED IS >TLV, WEAR NIOSH APPROVED RESPIRATOR.

Ventilation:GENERAL OR LOCAL EXHAUST TO KEEP 7.6

Appearance and Odor:NEAR SPHERICAL OR ANGULAR PARTICLES W/NO ODOR.

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Stability and Reactivity Data

Stability Indicator/Materials to Avoid:YES

Hazardous Decomposition Products:SHOT & GRIT WILL BREAK DOWN INTO PROGRESSIVELY SMALLER PARTICLES DURING NORMAL USE.

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Disposal Considerations

Waste Disposal Methods:DISPOSE SHOT/GRIT AS NON-HAZARDOUS SOLID WASTE. COLLECTED DUST FROM BLAST CLEANING/SHOT PEENING OPERATIONS CONTAINS CONTAMINANTS FROM THE SURFACES. PROCESS AS HAZARDOUS WASTE.

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