

S-110 AMASTEEL GRIT

MSDS Number

BKXMW

National Stock Number

5350-00F018253

Product Name

S-110 AMASTEEL GRIT

Manufacturer

ERVIN INDUSTRIES INC

Product Identification

Product ID:S-110 AMASTEEL GRIT

MSDS Date:02/10/1989

FSC:5350

NIIN:00F018253

MSDS Number: BKXMW

Responsible Party

ERVIN INDUSTRIES INC

3893 RESEARCH PARK DRIVE

ANN ARBOR , MI 48108-2217

Emergency Phone: (313) 769-4600

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Preparer: DAVID A. HALE

Cage: 55807

Contractor

ERVIN INDUSTRIES INC

ANN ARBOR, MI 48108-2217

US

313-769-4600

Cage: 55807

Ingredients

IRON

CAS: 7439-89-6

RTECS: NO4565500

Fraction By Weight: >96%

OSHA PEL10 MG/CUM

ACGIH TLV: 5 MG/CUM

GRAPHITE, SYNTHETIC

CAS: 7440-44-0

RTECS: FF5250100

Fraction By Weight: 0.8-1.3%

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 2 MG/M3 TDUST; 9293

MANGANESE (SARA III)

CAS: 7439-96-5

RTECS: 009275000

Fraction By Weight: 0.5-1.3%

OSHA PEL(C) 5 MG/M3 DUST

ACGIH TLV: 5 MG/M3 DUST 9293

SILICON

CAS: 7440-21-3

RTECS: VW0400000

Fraction By Weight: 0.3-1.2%

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9293

Hazards

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.

First Aid

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

Fire Fighting

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.

Accidental Release

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

Handling

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.

Exposure Controls

Respiratory Protection:IF THE DUST CREATED IS >TLV, WEAR NIOSH APPROVED RESPIRATOR.
Ventilation:GENERAL OR LOCAL EXHAUST TO KEEP Eye Protection:SAFETY GLASSES W/EYE SHIELDS
Other Protective Equipment:AS REQUIRED
Supplemental Safety and Health
PERCENT SOLID BY WT: 100%

Chemical Properties

Boiling Pt:B.P. Text:5162-5702F

Melt/Freeze Pt:M.P/F.P Text:2500-2701F

Spec Gravity:>7.6

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

Stability

Stability Indicator/Materials to Avoid:YES

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

Disposal

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

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