



METGRAIN[®]

STEEL ABRASIVE

MATERIAL SAFETY DATA SHEET

GENERAL INFORMATION

Manufacturer: Chesapeake Specialty Products, Inc.
5055 North Point Boulevard
Baltimore, MD 21219

Creation Date: November, 1985
Review Date: January, 2010

For Additional Information, contact:
Occupational Health & Safety Division
(410) 388-5055

MSDS Code: A181

PRODUCT IDENTIFICATION

Product Name: METgrain
Synonym(s): Metallic Steel Particles

Formula: NA
Chemical Family: Metal

TYPICAL CHEMICAL COMPOSITION (1)

Permissible Air Level (3)

<u>Ingredient (2)</u>	<u>CAS No.</u>	<u>Wt. %</u>	<u>OSHA PEL</u>	<u>ACGTH TLV</u>
Fe	7439-89-6	98.0+	NA	NA
Trace Elements	NA	LT 1.7	NA	NA

PHYSICAL DATA

Physical State: Solid
Bulk Density: 260 lbs./ft.³

Appearance and Odor: Metallic Gray Granules, odorless
Vapor Pressure: NA

Boiling Point: NA
Vapor Density: NA

Melting Point: 2600 F
Evaporation Rate: NA

Solubility in Water: Negligible
% Volatile by Volume: NA

This product does not meet the criteria of a hazardous chemical as defined by the Federal Occupational Safety and Health Hazard Communication Standard (29 CFR 1910.1200(c)). This form is being provided solely as general information and should not be construed as a determination that the product is a hazardous chemical. All sales of this product are subject to CHESAPEAKE'S Standard Terms and Conditions of Sale. CHESAPEAKE MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY, ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTIES OTHERWISE ARISING FROM COURSE OF DEALING OR TRADE.

pH:
NA

Particle Size Distribution:
99% of the particles are greater than 100 microns in diameter.

FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method):
NA

Lower Explosive Limit:
NA

Autoignition Temperature:
NA

Upper Explosive Limit:
NA

Fire Hazard:

The potential for ignition is extremely low. If burning does occur, it would proceed in an extremely slow manner.

Explosive Hazards:
NA

Extinguishing Media:

Graphite, dolomite, salt, or sand.

Special Fire fighting Procedures:

Use care when applying dry powder extinguishing media so as to minimize the generation of airborne or dispersed dusts.

Unusual Fire and Explosion Hazards:
NA

REACTIVITY DATA

Stability:

Stable

Incompatibilities (Materials to avoid):

Mineral acids

Hazardous Thermal Decomposition Products:

None expected

Polymerization:

Will not occur

HEALTH HAZARD DATA

Health Effects/Signs and Symptoms:

Not considered to be a hazardous chemical

Usual Route(s) of Entry:

Inhalation (if airborne dusts are generated)

Medical Conditions Possibly Aggravated:

NA

Carcinogen Information:

Not considered to be a carcinogen

FIRST AID AND MEDICAL EMERGENCY PROCEDURES

Eye Contact:

Not anticipated to pose an acute or significant eye contact hazard

Skin Contact:

Not anticipated to pose an acute or significant skin contact hazard

Inhalation:

Not anticipated to pose an acute or significant inhalation hazard

Ingestion:

Not considered to be an ingestion hazard

OCCUPATIONAL EXPOSURE CONTROL MEASURES

Engineering Controls (Ventilation, etc.):

Ventilation should be sufficient to maintain dust levels below the applicable exposure limit for nuisance dust

Work Practices (Handling and Storage):

Use in such a manner as to avoid creating large amounts of dust

Eye Protection:

Safety glasses or goggles are recommended when dust levels are excessive

Skin Protection:

Gloves and long-sleeve clothing are recommended when dust levels are excessive

Respiratory Protection:

If ventilation does not control exposure levels below the applicable exposure limit for nuisance dust, a NIOSH-approved respirator for dusts should be worn

SPILL, LEAK AND DISPOSAL INFORMATION

Procedures to Follow if Material is Released or Spilled:

Spilled material should be swept or vacuumed into appropriate containers

Waste Disposal Methods:

Landfill disposal and other methods which are in accordance with local, state and federal regulations.

Wastes may be recovered for future use.

ADDITIONAL OR MISCELLANEOUS INFORMATION

If material is stored in bulk in a closed or confined area, precautions should be observed prior to entering the area. Oxidizing material may deplete the oxygen content of the storage area creating a hazard to entering personnel. If concern arises regarding the safety of entering the area, the oxygen should be checked and, if low, the enclosure should be ventilated until the oxygen level reaches at least 19.5%.

Footnotes:

- (1) Concentrations may vary somewhat between batches or lots. Where possible, a concentration range is indicated. Occasionally, however, levels may even fall outside of the usual concentration ranges.
- (2) Common names, if applicable, appear in parentheses following the chemical names.
- (3) All values, unless otherwise specified, refer to 8-hour time-weighted average concentrations and units are in mg/M.

Abbreviations:

NA = Not Applicable
NE = Not Established
UK = Unknown (No applicable information was found)
GT = Greater Than
LT = Less Than