

MATERIAL SAFETY DATA SHEET

Date: July 1, 2004

SECTION I - GENERAL INFORMATION

MANUFACTURER'S NAME: Reed Minerals
A Division of Harsco Corporation
MANUFACTURER'S ADDRESS: 8149 C Kennedy Avenue
Highland, IN 46322
EMERGENCY PHONE NUMBER: (219) 923-4200

PRODUCT NAME: BLACK BEAUTY ABRASIVE
TRADE NAME AND SYNONYMS: Reed Minerals Boiler Slag

SECTION II - HAZARDOUS INGREDIENTS

| <u>COMPONENT</u> | <u>CAS #</u> | <u>%</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> |
|--|--------------|----------|--|------------------|
| Boiler Slag (Typically as an amorphous mixture of Fe, Al, Ca Silicates) | 68476-96-0 | 100 | 15 - Total Dust - 5 - Respirable Dust - | 10 5 |

* Values Expressed as mg/M³

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: N/A
MELTING POINT: Greater than 2300°F
VAPOR PRESSURE: N/A
VAPOR DENSITY: N/A
SOLUBILITY IN WATER: Negligible
SPECIFIC GRAVITY: 2.7 g/cc (typical)
PERCENT VOLATILE BY VOLUME: N/A
EVAPORATION RATE: N/A
APPEARANCE AND ODOR: Solid (angular granules), Black color, No odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED):
FLAMMABLE LIMITS: LEL: UEL:
EXTINGUISHING MEDIA: Product is non-flammable
SPECIAL FIRE FIGHTING PROCEDURES: Product is non-explosive
UNUSUAL FIRE AND EXPLOSION HAZARDS:

HYGIENIC WORK PRACTICES:

SECTION VIII - PRECAUTION FOR SAFE HANDLING AND USE/LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: No special procedures required for clean-up. Wetting with water will reduce airborne dust. Uncontaminated product does not exhibit characteristic EP Toxicity.

WASTE DISPOSAL METHOD: Dispose of as inert material in an appropriate solid waste landfill according to applicable Federal, State and Local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep product dry and free of all contamination to assure free flow. Use an appropriate safety screen over fill hatch of blasting pot. Respirable dusts may be generated during pressure abrasive cleaning operations.

OTHER PRECAUTIONS AND/OR SPECIAL HAZARDS:

NOTE: The opinions expressed herein are those of qualified experts within Harsco Corporation. Harsco believes that the information contained herein is current and accurate for the normal and intended use of this product as of the date of this Material Safety Data Sheet. Since the use of this information and of those opinions or the conditions of use of the product are not within the control of Harsco Corporation, it is the user's obligation to determine and observe the conditions of safe use and disposal of the product by their operations.