



MATERIAL SAFETY DATA SHEET

SECTION I- IDENTIFICATION

SELLER'S NAME: FEDMET RESOURCES CORPORATION
ADDRESS: 6402 WOODBERRY COURT
EAST AMHERST, NY 14051 USA
TELEPHONE NUMBER: (800) 609-5711
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CHEMICAL NAME AND SYNONYMS: ALUMINA-MAGNESIA-CARBON BRICK
TRADE NAME AND SYNONYMS: ORACLE® / ORACLE® IP
CHEMICAL FAMILY: ALUMINA-MAGNESIA-CARBON
FORMULA: Al₂O₃ , MgO , C

SECTION II- MINERAL ANALYSIS

<u>MINERAL ANALYSIS:</u>	<u>ELEMENTS</u>	<u>% IN WEIGHT</u>
ALUMINUM OXIDE	(Al ₂ O ₃)	< 85.0
MAGNESIUM OXIDE	(MgO)	>10.0
SILICON DIOXIDE	(SiO ₂)	<5.0
ALUMINUM	Al	Yes
RESIDUAL CARBON		>5.0

SECTION III- PHYSICAL DATA

BOILING POINT (°F): N/A
VAPOR PRESSURE (mmHg): N/A
VAPOR DENSITY (AIR=1): N/A
SOLUBILITY IN WATER: NO
BULK DENSITY (g/cm³): >2.94
PERCENT VOLATILE BY VOLUME (%): N/A
EVAPORATION RATE: N/A
APPEARANCE AND ODOR: BLACK COLOR, NEARLY ODORLESS

SECTION IV- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): 400°C ONLY FOR RESIN
FLAMMABLE LIMITS: N/A
LEL: N/A
UEL: N/A
EXTINGUISHING MEDIA: N/A
SPECIAL FIRE FIGHTING PROCEDURES: THIS PRODUCT IS NON-FLAMMABLE AND WILL NOT SUPPORT COMBUSTION
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

SECTION V- HEALTH INGREDIENTS

	CAS NO.	%	OSHA PEL	TLV
RESPIRABLE DUST				
<i>Free silica (crystalline)</i>	14808-60-7	<88	10mg / m ³ %free silica+2	10mg / m ³ %free silica+2
GRAPHITE	7782-42-5	5	2 mg/m ³	2.5 mg/m ³
ANTIOXIDANT- ALUMINUM`	7429-90-5	<6	10 mg/m ³	5 mg/m ³
RESIN BINDER- PHENOL	9003-35-4	<5	5 ppm (skin)	5 ppm (skin)
ALUMINUM OXIDE	1344-28-1	<90	15 mg/m ³	10 mg/m ³

SECTION VI- HEALTH HAZARDS

POTENTIAL HAZARD: This product contains free crystalline silica which is harmful only if reduced to respirable dust. When working with this product, minimize the creation and/or inhalation of dust. Prolonged exposure to the dust may increase the risk of silicosis and other serious respiratory diseases. Pulmonary disease generally aggravated by exposure. If inhalation over exposure occurs, remove to fresh air and contact physical if necessary.

THRESHOLD LIMIT VALUE: N/A
EFFECTS OF OVER EXPOSURE: NONE
EMERGENCY AND FIRST AID PROCEDURES: NONE REQUIRED

SECTION VII- REACTIVITY DATA

STABILITY: STABLE; PRODUCT IS STABLE AND NON-REACTIVE
INCOMPATIBILITY (MATERIALS TO AVOID): NONE
CONDITIONS TO AVOID: NONE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VIII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: NONE NECESSARY
WASTE DISPOSAL METHOD: DISPOSAL OF MATERIAL ACCORDING TO LOCAL, STATE OR FEDERAL REGULATIONS AND AS FINAL USED CONDITION OF THE PRODUCT DICTATES.

SECTION IX: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): DUST PROTECTION DURING CUTTING.
AVOID BREATHING VAPOR.
VENTILATION: LOCAL EXHAUST SUFFICIENT
PROTECTIVE GLOVES: RECOMMENDED
EYE PROTECTION: RECOMMENDED
OTHER PROTECTIVE EQUIPMENT: NONE

SECTION X- SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: DRY STORAGE
OTHER PRECAUTIONS: NONE REQUIRED

SECTION XI- DESCRIPTION

Alumina-Magnesia-Carbon Refractory Brick, resin bonded, with very high erosion and slag resistance.

Judgments as to the suitability of information herein for purchaser's purposes are necessarily purchaser's responsibility. Therefore, although reasonable care has been taken in the preparation of such information Fedmet Resources Corp. extends no warranties, makes no representations, and assumes no responsibility as to accuracy or suitability of such information for application to purchaser's intended purpose or for consequences of its use.

DATE OF PREPARATION: JUNE 30, 2006