



Fedmet Refractories

MATERIAL SAFETY DATA SHEET

SECTION I- IDENTIFICATION

SELLER'S NAME: FEDMET RESOURCES CORPORATION
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CHEMICAL NAME AND SYNONYMS: LADLE AND FURNACE BRICK
TRADE NAME AND SYNONYMS: PINNACLE®
CHEMICAL FAMILY: MAGNESIA
FORMULA: MgO

SECTION II- MINERAL ANALYSIS

<u>MINERAL ANALYSIS:</u>	<u>ELEMENTS</u>	<u>% IN WEIGHT</u>
Mgo Portion:		
MAGNESIUM OXIDE	(MgO)	>70
CALCIUM OXIDE	(CaO)	<10
SILICA OXIDE	(SiO ₂)	<10
IRON OXIDE	(Fe ₂ O ₃)	<1
ALUMINA OXIDE	(Al ₂ O ₃)	<10
Received Properties:		
RESIDUAL CARBON	5-20 %	

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): 2.80 - 3.00
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
<i>Paints, preservatives & solvents</i>	<i>N.A.</i>	<i>0</i>	<i>N.A</i>	<i>N.A.</i>
<i>Alloy and metallic coatings</i>	<i>N.A.</i>	<i>0</i>	<i>N.A.</i>	<i>N.A.</i>
RESIN BINDER				
<i>Phenol</i>	<i>9003-35-4</i>	<i><5</i>	<i>19 mg/ m³(skin)</i>	<i>18mg/m³(skin)</i>
ANTIOXIDANT				
<i>Aluminum</i>	<i>7429-90-5</i>	<i>≤5</i>	<i>5 mg/ m³</i>	<i>10mg/m³</i>

SECTION VI- HEALTH HAZARDS

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

Ladle and Furnace Refractory Brick, resin bonded, with very high erosion and slag resistance.

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