



MATERIAL SAFETY DATA SHEET

SECTION I- IDENTIFICATION

SELLER'S NAME: FEDMET RESOURCES CORPORATION
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TELEPHONE NUMBER: 514/931-5711 (1-800-609-5711)
CHEMICAL NAME AND SYNONYMS: MAGNESIA CHROME BRICK
TRADE NAME AND SYNONYMS: **DURACHROME®**
CHEMICAL FAMILY: MAGNESIA - CHROME
FORMULA: MgO / Cr₂O₃

SECTION II- MINERAL ANALYSIS

<u>MINERAL ANALYSIS:</u>	<u>ELEMENTS</u>	<u>% IN WEIGHT</u>
MAGNESIUM OXIDE	(MgO)	>50.0
SILICA OXIDE	(SiO ₂)	<5.0
CALCIUM OXIDE	(CaO)	<5.0
ALUMINA OXIDE	(Al ₂ O ₃)	<5.0
CHROMIUM	(Cr ₂ O ₃)	>10.0
IRON OXIDE	(Fe ₂ O ₃)	<10.0

SECTION III- PHYSICAL DATA

VOLATILES BY VOLUME (%): NIL AT 70° F
SPECIFIC GRAVITY: 3.15
VAPOR DENSITY (AIR=1): NONE
SOLUBILITY IN WATER: NO
BULK DENSITY (g/cm³): 3.00 - 3.30
EVAPORATION RATE: N/A
APPEARANCE AND ODOR: DARK BROWN, NEARLY ODORLESS



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SECTION IV- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): NOT APPLICABLE
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 HAZARDS

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

SECTION VI- 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 VII: SPILL OR LEAK PROCEDURES

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

SECTION VIII: SPECIAL PROTECTION INFORMATION

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



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SECTION IX- SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: DRY STORAGE

OTHER PRECAUTIONS:

MAINLY DUE TO THE PRESENCE OF ALKALI OR ALKALINE EARTH COMPOUNDS AT HIGH TEMPERATURES, SOLUBLE HEXAVALENT CHROMIUM COMPOUNDS MAY BE FORMED. HEXAVALENT CHROME IS CONSIDERED TO BE POTENTIALLY HAZARDOUS MATERIAL, REQUIRING SPECIAL DISPOSAL CONSIDERATIONS INVOLVING AN APPROVED HAZARDOUS WASTE DISPOSAL SITE. PRODUCT CONTAINS SILICATE COMPOUNDS, IT IS THEREFORE POSSIBLE THAT CRISTOBALITE MIGHT BE FORMED DURING LIFE OF THE BRICK

THE INFORMATION SET FORTH HEREIN IS BASED ON TECHNICAL DATA THAT FEDMET BELIEVES TO BE RELIABLE, IT IS INTENDED FOR USE BY PERSONS HAVING TECHNICAL SKILL AND AT THEIR OWN DISCRETION AND RISK. SINCE CONDITIONS OF USE ARE OUTSIDE OUR CONTROL, FEDMET RESOURCES CORPORATION MAKES NO WARRANTIES EXPRESSED OR IMPLIED, AND ASSUMES NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION. NOTHING HEREIN IS TO BE TAKEN AS A LICENSE TO OPERATE UNDER OR A RECOMMENDATION TO INFRINGE ANY PATENTS. ANY USE OF THESE DATA AND INFORMATION MUST BE DETERMINED BY THE USER TO BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS

DATE OF PREPARATION: JANUARY, 2006