



MATERIAL SAFETY DATA SHEET

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SECTION I- IDENTIFICATION

TRADE NAME AND SYNONYMS: EPIC®
CHEMICAL NAME & SYNONYMS: ALUMINA BRICK
CHEMICAL FAMILY: ALUMINA

SECTION II- CHEMICAL ANALYSIS

ALUMINA	Al ₂ O ₃	40 - 90
SILICA	SiO ₂	15 - 55
TITANIA	TiO ₂	1 - 6
FERRIC OXIDE	Fe ₂ O ₃	1 - 5
LIME	CaO	<1
MAGNESIA	MgO	trace
ALKALIES		trace

SECTION III- PHYSICAL CHEMICAL PROPERTIES

BOLING POINT/RANGE: N/A
VAPOR PRESSURE (MM HG): N/A
VAPOR DENSITY (AIR =1): N/A
SOLUBILITY IN H2O: NO
APPEARANCE AND ODOUR: ODORLESS, OFFWHITE GRAY TO LIGHT BROWN
BULK DENSITY: 2.20 to 2.90 g/cm³

SECTION IV- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A
FLAMMABLE LIMITS: N/A
EXTINGUISHING MEDIA: N/A
SPECIAL FIRE FIGHTING PROCEDURES: THIS PRODUCT IS NON – FLAMMABLE
UNUSUAL FIRE FIGHTING AND EXPLOSION HAZARDS: NONE KNOWN

MSDS FEDMET EPIC® CONTINUED

SECTION V- HEALTH HAZARD DATA

	CAS NO.	%	OSHA PEL	TLV
<u>RESPIRABLE DUST</u>				
<i>Free silica (crystalline)</i>	14808-60-7	<88	<u>10mg / m³</u>	<u>10mg / m³</u>
ALUMINUM OXIDE	1344-28-1	90	15 mg/m3	10 mg/m3

SECTION VI- REACTIVITY DATA

STABILITY: STABLE

INCOMPATIBILITY (MATERIALS TO AVOID): NONE – PRODUCT IS NON REACTIVE

HAZARDOUS DECOMPOSITION OR BY PRODUCTS: NONE

CONDITIONS TO AVOID: NONE

SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

INSTALLATION AND TEAROUT: AVOID INHALATION OF DUST

WASTE DISPOSAL METHOD: AS PER LOCAL, STATE OR FEDERAL REGULATIONS AND AS FINAL USED CONDITION OF THE PRODUCT DICTATES.

RESPIRATORY PROTECTION:
DUST PROTECTION WHEN CUTTING, IF EXTREME DUST A NIOSH APPROVED DUST REPIRATOR SHOULD BE USED. PROTECTIVE FILTER MASK WITH HIGH – EFFICIENCY RESPIRATOR FILTER.

VENTILATION:
LOCAL EXHAUST - ADEQUATE VENTILATION
MECHANICAL - N/A
SPECIAL - N/A
OTHER - N/A

PROTECTIVE GLOVES: RECOMMENDED

EYE PROTECTION: TIGHT FITTING SAFETY GOGGLES.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: DRY, STABLE STORAGE

MSDS FEDMET EPIC® CONTINUED

SECTION VIII: USAGE

MAINLY USED IN TORPEDO, BLAST FURNACE & CEMENT KILNS.

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