



MATERIAL SAFETY DATA SHEET

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SECTION I- IDENTIFICATION

TRADE NAME AND SYNONYMS: EPIC® TI
CHEMICAL NAME & SYNONYMS: ALUMINA BRICK, TAR-IMPREGNATED
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, BLACK
BULK DENSITY: 2.20 to 3.00 g/cm³

SECTION IV- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 400 FOR PITCH
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® TI 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/m ³	10 mg/m ³
BINDER- COAL TAR PITCH	6599-69-23	<10	0.2 mg/m ³	0.2 mg/m ³

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® TI CONTINUED

SECTION VIII: USAGE

MAINLY USED IN TORPEDO, BLAST FURNACE & CEMENT KILNS.

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