

McKeown International, Inc. Suite 240 1106 South Mays Street Round Rock, TX USA 78664		Emergency Telephone #: <b>(512) 828-3138</b>
Product Name: <b>Ultradol 63T</b>	Product Name:	

### Section 2 - Material Description And Use

Chemical Name: **Calcium Oxide and Magnesium Oxide**  
 Chemical Formula: **CaO + MgO**  
 Chemical Additives: **MgO enriched**  
 Product Use: **Refractory Brick:**

### Section 3 - Hazardous Ingredients

<i>Paints, Preservatives, &amp; Solvents</i>	%	TLV	<i>Alloys And Metallic</i>	%	TLV
Pigments			Base metal		
Catalyst			Alloys		
Vehicle			Metallic coatings		
Solvents			Filler metal or core flux		
Additives			Others		
Others					
<i>Hazardous Mixtures of Other Solvents</i>				%	CAS#
Calcium Oxide ( CaO)				31.48-31.75	1305-78-8
Magensia Oxide ( MgO)				63.48-64.19	1309-48-4
Aluminium Oxide ( Al <sub>2</sub> O <sub>3</sub> )				0.31-0.36	1344-28-1
Iron Oxide( Fe <sub>2</sub> O <sub>3</sub> )				0.55-0.68	
Quartz (SiO <sub>2</sub> )				0.66-0.75	65997-17-3
Ignition Loss				2.69-3.02	

### Section 4 - First Aid Measures

Emergency and First Aid Procedures:	skin contact:	<b>Wash with water. Consult physician if persists</b>
	eye contact:	<b>Immediately flush w/ water. Consult physician if persists</b>
	Inhalation:	<b>Avoid prolonged inhalation of dust from cutting, grinding. Overexposure to dust may lead to permanent lung inquiry (silicosis)</b>
	Ingestion:	N/A

### Section 5 - Fire and Explosion Hazard Data

Flash Point:	of resin: <b>N/A</b>
Ignition Temperature:	of resin: <b>N/A</b>
Hazardous Decomposition:	<b>None</b>
Thermal Decomposition:	of resin <b>N/A</b>
Flammable Explosion Limits:	upper: <b>None</b> lower: <b>None</b>
Hazardous Reactions:	<b>None</b>
Extinguishing Media:	suitable: <b>Dry, non-acidic chemical, carbon dioxide</b>  not to be used: <b>Water</b>
Special Fire Fighting Procedures:	<b>None</b>
Unusual Fire and Explosion Hazards:	<b>None</b>

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#### Section 6 - Accidental Release Measures

Steps To Be Taken In Case Material is Released or Spilled:

**Use any convenient dry clean-up method -- scoop, shovel, etc. Avoid contact with skin. Avoid generating dust**

#### Section 7 - Handling and Storage

Technical Protective Measures: **Protect material from humidity and exposure to water**  
**Provide local exhaust at brick saw**

Industrial Hygiene: **Remove contaminated clothing**

Protection against Fire and Explosion: **None**  
(Handling & Storing)

#### Section 8 - Health Hazard Data and Protective Measures

Threshold Limit Value:	<b>5 mg/m<sup>3</sup> for dust generated by cutting</b>	
Effects of Overexposure:	<b>Dust can irritate eyes, skin, and mucuous membrane</b>	
Personal Protective Equipment:	respiratory:	<b>dust mask, if condition warrants</b>
	eye:	<b>safety glasses with sideshields</b>
	hand:	<b>abrasive resistant gloves</b>
	other:	<b>steel toe boots</b>

#### Section 9 - Physical Data

Physical Form:	<b>shaped brick</b>	Density:	<b>3.46 g/cm<sup>3</sup></b>
Boiling Temp:	<b>N/A</b>	Bulk Density:	<b>2.85 - 3.10 g/cm<sup>3</sup></b>
Freeze-Melt Temp:	<b>&gt;2000°C</b>	Water Solubility:	<b>1.18 g/l (CaO), 0°C</b>
Vapor Pressure:	<b>N/A</b>	pH:	<b>12,4 at 20°C, 1.18 g/l (CaO)</b>
Viscosity:	<b>N/A</b>	Color:	<b>Brown</b>
Evaporation Rate:	<b>N/A</b>	Odor/Threshold:	<b>None/ N/A</b>
Specific Gravity:	<b>3.46 g/cm<sup>3</sup></b>	Coeff. Water/Oil Distrib.:	<b>N/A</b>

#### Section 10 - Reactivity Data

Stability	stable: <b>X</b> unstable:	Conditions to avoid:
Hazardous Polymerization	may occur: will not: <b>X</b>	Conditions to avoid:

#### Section 11 - Information on Toxicity

**Irritating to eyes, respiratory system, and skin**  
**Threshold Limit Value: CaO dust 5 mg/m<sup>3</sup>**

#### Section 12 - Information on Ecological Effects

**Calcium Oxide (CaO) endangers fishlife**

#### Section 13 - Disposal Considerations

Waste Disposal Method:

**If reuse and recycling is not possible or practiced, material may be disposed of at a sanitary landfill**  
**Not Federally Regulated as a hazardous waste**

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**Section 14 - Transport Information**

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**Section 15 - Regulatory Information**

Chemical components have been reported to the EPA Office of Toxic Substances in accordance with the requirements of the Toxic Substance Control Act. This material contains no ingredients listed on the Extremely Hazardous or CERCLA Lists

**Section 16 - Special Precautions and Other Information**

Re-seal remaining material with packaging provided