

CERAMIC FIBER HEATERS
MATERIAL SAFETY DATA SHEET
June 16, 2009

SECTION I. IDENTIFICATION

PRODUCT NAME: High Temperature Electrical Potting Cement
CHEMICAL FAMILY: Magnesium Phosphate Cement
CHEMICAL NAME: NA. CHEMICAL FORMULA: $a\text{MoH}_x(\text{Poy})_z - b\text{H}_2\text{O}$

MANUFACTURER'S NAME AND ADDRESS

Watlow Columbia	Phone	573-443-8817
2407 Big Bear Court	Emergency Phone	1-800-424-9300 (Chemtrec)
Columbia, MO 65202	Fax	573-443-8818

HEALTH HAZARD SUMMARY
WARNING

- Possible cancer hazard.
- May be irritating to the skin, eyes and respiratory tract.
- May be harmful if inhaled.

SECTION II. PHYSICAL DATA

APPEARANCE AND ODOR: Gray to white powder as supplied. No odor.
SPECIFIC GRAVITY: 4.5 g/cc BOILING POINT: NA.
VOLATILES (% by weight): NA. WATER SOLUBILITY: 0.3

SECTION III. HAZARDOUS INGREDIENTS

COMPONENT, QUANTITY, AND THRESHOLD/EXPOSURE LIMIT VALUES:

Zirconium Silicate	CAS No. 14940-68-2	< 75%	5 mg/m ³ TLV, PEL
Magnesium Oxide	CAS No. 1309-48-4	< 15%	10 mg/m ³ PEL
Silica, Crystalline	CAS No. 14808-60-7	< 1%	0.1 mg/m ³ PEL

SECTION IV. FIRE AND EXPLOSION DATA

FLASH POINT: None FLAMMABILITY LIMITS: None
EXTINGUISHING MEDIA: Use extinguishing agent suitable for type of surrounding fire.
UNUSUAL FIRE & EXPLOSION HAZARDS: None
SPECIAL FIRE FIGHTING PROCEDURES: None

SECTION V. HEALTH HAZARD DATA

THE HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS):

Health 1* Flammability 0 Reactivity 0 Personal Protection Index: E

(* denotes potential for chronic effects)

THRESHOLD LIMIT VALUE: (See Section III)

EFFECTS OF OVER EXPOSURE:

EYE:

Avoid contact with eyes. May cause burns.

INHALATION:

May cause respiratory tract irritation. Repeated or prolonged breathing of particles of respirable size may cause reduced breathing capacity and increased susceptibility to lung disease. Repeated inhalation of respirable free silica dust may cause delayed lung injury (silicosis).

INGESTION:

Irritant

SKIN:

Irritant

SPECIAL TOXIC EFFECTS:

Crystalline Silica (Quartz): The major concern is silicosis caused by the inhalation of respirable crystalline silica dust. Crystalline silica is listed by IARC as carcinogenic to humans (group 1) based on evidence in human and experimental animal exposures. Exposure to respirable crystalline silica is also associated with incidence of scleroderma of the lungs and kidney disorders.

EMERGENCY FIRST AID PROCEDURES

INHALATION:

Remove person from source of exposure. Move to fresh air. If breathing difficulties continue seek medical attention.

INGESTION:

Do not induce vomiting. Give large quantities of water. Get medical attention if irritation persists.

EYE CONTACT:

Flush eyes immediately with large amounts of water for approximately 15 minutes. Eye lids should be held away from the eyeball to insure thorough rinsing. Do not rub eyes. Get medical attention if irritation persists.

SKIN CONTACT:

Wash area of contact thoroughly with water.

SECTION VI: REACTIVITY DATA

STABILITY/CONDITIONS TO AVOID: Stable.

HAZARDOUS POLYMERIZATION / CONDITIONS TO AVOID: Will not occur.

INCOMPATIBILITY / MATERIALS TO AVOID: None.

HAZARDOUS DECOMPOSITION PRODUCTS: None

SECTION VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Sweep up and dispose of in waste container. If paste is spilled, hose with water. Avoid skin contact.

WASTE DISPOSAL METHODS: Approved industrial waste container.

SECTION VIII. SPECIAL PROTECTION INFORMATION**RESPIRATORY PROTECTION:**

Use NIOSH or MSHA approved equipment for dust when airborne exposure limits may be exceeded. NIOSH/MSHA approved breathing equipment may be required for non-routine and emergency use.

VENTILATION: Provide adequate general and local ventilation to meet PEL requirements.

SKIN PROTECTION: Use protective gloves and clean long-sleeved work clothes.

EYE PROTECTION: Wear safety glasses with side shields, chemical goggles, or face mask.

SECTION IX. SPECIAL PRECAUTIONS**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:**

Keep container tightly sealed. Avoid moisture and heat. Store in a cool, dry place. Remix thoroughly before using. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Use appropriate ventilation and respiratory protection when generating dust. Wear protective clothing and eyewear. Wash thoroughly after handling.

REGULATORY INFORMATION:

Components are listed in the EPA Toxic Substances Control Act Chemical Substances Inventory.

SARA Title III: Section 311/312 (40 CFR 370) Hazardous Categories; Carcinogen, Irritant.

State of California: Proposition 65 substances (components) known to the State of California to cause cancer and reproductive toxicity and subject to warning and discharge requirements under the "Safe Drinking Act of 1986".