

# MATERIAL SAFETY DATA SHEET

MSDS DATE: 3/10/09

## HOT KOTE® 2200

Per OSHA-recommended ANSI Z400.1-2004 standard format & in accordance with European standard format

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Hot Kote 2200  
Product Description: High Temperature Surface Sealant - Brown  
Product Code: 6419

Manufacturer: Fiberlock Technologies, Inc.

Address:  
Fiberlock Technologies  
150 Dascomb Road  
Andover MA, 01810

Contact Info:  
Tel: (800) 342-3755  
Fax: (978) 475-6205

Emergency Phone: 24 Hour Contact: CHEM-TEL: (800) 255-3924  
INTERNATIONAL 24 HOUR EMERGENCY Phone: 813-248-0585

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Non-hazardous:

Latex emulsion coating comprised of water, fillers, additives, and latex emulsion resin.

Hazardous:

Chemical Name	CAS#	Percent	Exposure Limits
Sodium potassium - Aluminum silicate	37244-96-5	25 %	OHSA PEL Total dust 10 mg/m <sup>3</sup> , Respirable dust 5 mg/m <sup>3</sup>
Water	7732-18-5	35 %	Not Established
Aluminum silicate clay	1332-58-7	25 %	OHSA PEL Total dust 10 mg/m <sup>3</sup> , respirable dust 5 mg/m <sup>3</sup>
Manganese oxide	1313-13-9	3 %	ACGIH TLV TWA 5mg/m <sup>3</sup>
Iron oxide	1317-61-9	2 %	OHSA PEL 10 mg/m <sup>3</sup> ACGIH TLV 5 mg/m <sup>3</sup>
Potassium hydroxide	1310-58-3	5 %	ACGIH TLV Ceiling 2 mg/m <sup>3</sup>
Amorphous silica	7631-86-9	5 %	OHSA PEL Total dust 10 mg/m <sup>3</sup> , Respirable dust 5 mg/m <sup>3</sup>

Note: Per 29CFR 1910.1200 (g) (2) (1) (C) (2), only hazardous substances present in excess of 1.0% by weight (or 0.1% for carcinogens) must be listed on an MSDS.

### SECTION 3: HAZARDS IDENTIFICATION

#### Emergency Overview:

**Product Description:** Nearly odorless brown colored nonflammable water-based paint. Mildly caustic. Exposure to the eyes may be corrosive and exposure to skin may be irritating. Inhalation of paint mist may be irritating to the respiratory tract.

#### Health Hazards:

Eyes: May cause corrosive burns.

Skin: Substance may cause mild skin irritation.

Inhalation: May cause irritation of respiratory tract.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, and vomiting.

Health Hazards (Acute and Chronic): Acute: Paint is mildly caustic (pH above 7) and is corrosive to the eyes on contact, and irritating to the skin on prolonged contact. Mists from the product generated by air-spraying is irritating to the upper respiratory system.

Chronic: Excessive inhalation of dust above TLV of dried material over long periods of time may cause industrial bronchitis, reduced breathing capacity and lead to increased susceptibility to lung disease.

### SECTION 4: FIRST AID MEASURES

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes and consult physician.

**Skin:** Wash skin thoroughly with soap and water. If drenched with product, remove and wash clothing before reuse.

**Ingestion:** Ingestion If victim is conscious give 2 glasses of water. Call a physician.

**Inhalation:** N/A

### SECTION 5: FIRE-FIGHTING MEASURES

Product is non-combustible.

Flash point:

Autoignition Temperature:

F: Not flammable

F: Not Established

C: Not flammable

C: Not Established

Extinguishing Media:

Use extinguishing media appropriate for surrounding fire

Water Spray	OK
Carbon Dioxide	OK
Foam	OK
Dry Chemical	OK
Halon	OK
Other	Any "ABC" Class

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### Accidental Release Measures:

**Personal Precautions:** Do not get in eyes. Do not take internally. Avoid skin contact. Prevent prolonged or repeated breathing of vapor or spray mists. Keep unnecessary people away. Floor may be slippery, use care to avoid falling. Ventilate the area. Remove with inert absorbent.

**Environmental Precautions:** Keep spills and cleaning run-offs out of municipal sewers and open bodies of water. Comply with local, state and national regulations.

### SECTION 7: HANDLING AND STORAGE

#### Handling and Storage:

Storage: Store in a cool, dry place

Keep closure tight and containers upright to prevent leakage.

Precautionary labeling: "KEEP FROM FREEZING".

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Precautions:

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

**Work Hygienic Practices:** Avoid contact with skin. Do not get in eyes. Do not take internally. Avoid breathing vapors or spray mists.

**Ventilation:** Use in well-ventilated areas. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

**Respiratory Protection:** If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2. When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

**Eye Protection:** Use approved safety eyewear including side shields, chemical goggles or face shields.

**Skin Protection:** Wear neoprene or rubber gloves to prevent skin contact if prolonged skin contact is likely. Wash hands before eating, smoking or using the wash room.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Viscous liquid	<b>Vapor Pressure (mmHg) @ 68°F:</b>	10-20
<b>Odor:</b>	Slight odor	<b>Percent Solids By Weight:</b>	11.0% ± 2.0
<b>Boiling Point:</b>	212°F	<b>Weight Per Gallon:</b>	10.0 lbs/gal ± 0.5
<b>Freezing Point:</b>	32°F	<b>Viscosity @ 77°F:</b>	55-60 Krb Units ± 5.0
<b>Specific Gravity (H<sub>2</sub>O = 1) @ 68°F:</b>	14.3 ± 0.1	<b>Solubility in Water:</b>	Total
<b>Evaporation Rate:</b>	Slower than ether	<b>Vapor Density @ 68°F:</b>	Heavier than air
<b>Percent Volatile:</b>	35 %	<b>pH:</b>	10-11

**SECTION 10: STABILITY AND REACTIVITY**

**Stability:** Stable

**Incompatibility:** (Material to Avoid): Avoid contact with strong oxidizing agents (e.g. nitric acid, permanganates), etc.

**Hazardous Decomposition or By-Products:** Thermal decomposition products are predominantly water.

**Hazardous Polymerization:** Will not occur.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Toxicological Information:**

**Toxicology Data**

Chemical Name	CAS No.	LD50
Potassium Hydroxide	13463-67-7	Oral: > 365 mg/kg (Rat) Dermal: > 2000 mg/kg (rabbit)

**SECTION 12: ECOLOGICAL INFORMATION**

**Ecological Information:**

No Data Available

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:**

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. If incinerating, do so in an approved facility, and do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

**SECTION 14: TRANSPORT INFORMATION**

**U.S. Department of Transportation**

Proper Shipping Name: Non-Hazardous Water-Based Paint  
Hazard Class: "Not Regulated"  
Label Statement: "Keep From Freezing"  
Class 55 Non-Hazardous Water-Based Paint

**Canada (TDG)**

Not Regulated for Transportation.

**IMO**

Not Regulated for Transportation.

**SECTION 15: REGULATORY INFORMATION**

**U.S. Federal Regulations:**

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

**SARA TITLE III:** Potassium hydroxide in this product is subject to SARA 313 (40 CFR 372.65C) Supplier Notification.

Potassium hydroxide component: (5% of total weight). Per 40CFR 302.4: reportable quantity 1000lbs. Superfund Amendments and Reauthorization Act Title III, hazardous categories per 40 CFR 370.2. Health: Immediate acute, Delayed chronic.

**SECTION 16: OTHER INFORMATION**

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

To comply with New Jersey DOH Right-To-Know labeling law (NJAC 8:59 – 5.1 & 5.2)

CAS. No.:	CHEMICAL INGREDIENTS
37244-96-5	Sodium potassium-aluminum silicate
7732-18-5	Water
1332-84-2	Aluminum silicate clay
1313-13-9	Manganese oxide
1310-58-3	Potassium hydroxide
(+) Contents Partially Unknown	

HMIS HAZARD RATING			
Health 1	Flammability 0	Physical Hazard 0	Personal Protection A
HAZARD INDEX: 0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe			
PERSONAL PROTECTION CODE:			
A=Safety glasses			

**Warning!** If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hot line at 1-800-424-LEAD (5323) or log on to: [www.epa.gov/lead](http://www.epa.gov/lead)