

# MATERIAL SAFETY DATA SHEET

MSDS DATE: 3/10/09

## IAQ® 9000

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

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: IAQ™ 9000  
Product Description: Mold Resistant Masonry Waterproofer - White  
Product Code: 8395  
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:  
Pigmented Latex emulsion coating comprised of water, pigments, fillers, additives, and latex emulsion resin.

Hazardous:

Chemical Name	CAS#	Percent	OSHA PEL	ACGIH TLV
1 - Water	7732-18-5	< 25.0	Not Established	Not Established
2 - Crystalline Silica	14808-60-7	< 25.0	.1 MG/CM(1)	.1 MG/CM(1)
3 - Limestone	1317-65-3	< 20.0	15 MG/CM(1)	10 MG/CM(1)
4 - Styrene Acrylic Resin	25036-16-2	< 10.0	Not Established	Not Established
5 - Mica	12001-26-2	< 5.0	20 MPPCF	3 MG/CM
6 - Diethylene glycol Monomethyl Ether	111-77-3	< 5.0	Not Established	Not Established
7 - Dibenzate Ester Mixture	Mixture	< 5.0	Not Established	Not Established
8 - Titanium Dioxide	13463-67-7	< 5.0	15 MG/CM	10 MG/CM
9 - Wollastonite	13983-17-0	< 5.0	Not Established	10 MG/CM
10 - Fullers Earth	8031-18-3	< 5.0	5 MG/CM	10 MG/CM
11 - Proprietary biocide*	N/A	< 0.10	Not Established	Not Established

Note: Normal application procedures pose no hazard since titanium dioxide is wetted and encapsulated, but grinding or sanding dried films of this product may yield respirable titanium dioxide dust. Control exposures to less than 0.1 mg/m<sup>3</sup> using NIOSH/MSHA-approved dust filter respirators.

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.

(1) Time Weighted Average

### SECTION 3: HAZARDS IDENTIFICATION

#### Emergency Overview:

**Product Description:** This product is a pigmented liquid.

#### Health Hazards:

Eyes: May cause slight irritation.

Skin: Substance may cause slight skin irritation.

Inhalation: May cause irritation of respiratory tract.

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

**Flammability Hazards:** This product is not flammable. If this product is involved in a fire, the decomposition products generated will include irritating vapors and gases and some carbon monoxide.

**Reactivity Hazards:** This product is not reactive.

**Environmental Hazards:** Although release of this product to the environment is not expected to cause significant adverse effect, all releases should be avoided.

### 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:** Give one or two glasses of water. If individual is drowsy or unconscious do not give anything by mouth. Consult a physician, medical facility or poison control center for advice about whether to induce vomiting.

**Inhalation:** Remove to fresh air.

### 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>Solubility in Water:</b>	Total
<b>Odor:</b>	Slight odor	<b>Percent Solids By Weight:</b>	51.5% ± 2.0.0
<b>Boiling Point:</b>	212°F	<b>Viscosity @ 77°F:</b>	60-75 Kreb Units
<b>Evaporation Rate:</b>	Slower than ether	<b>Vapor Density @ 68°F:</b>	Heavier than air
<b>Freezing Point:</b>	32°F	<b>Specific Gravity (H2O = 1) @ 68°F:</b>	1.2 ± 0.1
<b>Weight Per Gallon:</b>	10.0 lbs/gal ± 0.5		

**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:** Some carbon monoxide.

**Hazardous Polymerization:** Will not occur.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Toxicological Information:**

**Chronic Health Hazards**

IARC's Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint."

**Toxicology Data**

Chemical Name	CAS No.	LD50
Titanium dioxide	13463-67-7	Oral: >24000 mg/kg (Rat) Dermal: >10000 mg/m <sup>2</sup> (rabbit) Inhalation (Dust): >6.82 mg/L (Rat, 4hr.)

**SECTION 12: ECOLOGICAL INFORMATION**

**Ecological Information:**

No Data Available

**SECTION 13: DISPOSAL CONSIDERATIONS****Waste Disposal Method:**

The coating and any contaminated diking material should be thoroughly air dried and collected into drums. The drums should then be sealed and properly labeled with waste designation and disposed of in a landfill or incinerated according to current local, state and federal regulations.

**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:** No ingredients in this product are subject to SARA 313 (40 CFR 372.65C) Supplier Notification.

**CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT**

**(PROPOSITION 65):** Components of this product are on the California Proposition 65 lists.

**NOTES: (\*)**This proprietary biocide is listed as a carcinogen under California Proposition 65, however, a risk assessment was conducted by the biocide manufacturer and it was determined that when this product is used in accordance with label directions, exposure and thus risk is below the level which requires a Proposition 65 warning.

Titanium Dioxide and Diethylene Glycol Monomethyl ether are subject to the reporting requirements of Section 313 of the Emergency Planning and Community-Right-To-Know Act of 1986 and of 40 CFR 372.

**CANADA DSL:** All components are listed or exempt.

**Carcinogenicity:**

NTP? Yes	IARC Monographs? Yes	OSHA REGULATED? No
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IARC Concludes that there is sufficient evidence in humans and experimental animals for the carcinogenicity of crystalline silica in the forms of quartz or cristobalite.

**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
7732-18-5	Water
13463-67-7	Crystalline Silica
1314-13-2	Limestone
57-55-6	Styrene Acrylic Resin
Not Available +	Mica
(+) 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)