

# Safety Data Sheet

## Per GHS Standard Format

### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

**Product Name:** IAQ 8500 Duct Sealer No. 8385 Black

**Recommended Use of Product:** Duct Sealant

#### Information on the Supplier of the Safety Data Sheet

Manufactured For:  
Fiberlock Technologies, Inc.

150 Dascomb Road

Andover, MA 01810

P: 800-342-3755 F: 978-475-6205

Emergency Telephone Numbers:

CHEM TEL: (U.S.): 1-800-255-3924

(Outside the U.S.): 813-248-0585

Poison Control Center (Medical): 800-222-1222

### SECTION 2: HAZARDS IDENTIFICATION

Signal Word: **WARNING**



#### GHS Label Statements

Hazard Statements:

Harmful if inhaled.

Causes serious eye irritation.

May cause an allergic skin reaction.

Suspected of causing cancer.

#### GHS Classifications

This product is considered hazardous by The 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute Toxicity-Inhalation (Vapors) – Category 4

Acute Toxicity-Inhalation (Dust-mists) – Category 2

Serious eye damage/eye irritation – Category 2

Skin sensitization – Category 1

Carcinogenicity – Category 2

#### PRECAUTIONARY STATEMENTS

**Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection (eye protection, gloves) during application. When grinding/sanding dry films, wear respiratory protection.

**Response:** If on skin, wash with plenty of soap and water. If in eyes, rinse cautiously for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If inhaled, remove victim to fresh air. If exposed or concerned, get medical advice.

**Storage:** Keep closures tight and containers upright to prevent leakage. KEEP FROM FREEZING. Product is non-combustible.

**Disposal:** The coating and any contaminated diking material should be thoroughly air dried and collected into drums. The drums should be sealed and labeled and land-filled or incinerated according to local, regional and national regulations.

**Hazards Not Otherwise Classified (NHOC):** Not applicable

**Other Information:** Toxic to aquatic life with long lasting effects. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

### SECTION 3: COMPOSITION INFORMATION ON INGREDIENTS

| <u>Chemical Name</u> | <u>CAS No.</u> | <u>Weight, %*</u> |
|----------------------|----------------|-------------------|
| Calcium carbonate    | 1317-65-3      | 10-30             |
| Propylene glycol     | 57-55-6        | 3-7               |
| Chlorothalonil       | 1897-45-6      | 0.1-1             |
| Carbon black         | 1333-86-4      | 1-2               |
| Zinc oxide           | 1314-13-2      | 104               |

\*The exact concentration of composition has been withheld as a trade secret.

### SECTION 4: FIRST AID MEASURES

#### General Advice

Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

#### Eye Contact

If symptoms persist, call a physician. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.

#### Skin Contact

Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician. May cause an allergic skin reaction.

#### Inhalation

Remove to fresh air. If symptoms persist, call a physician. If breathing has stopped, give artificial respiration. Get medical attention immediately. If not breathing, give artificial respiration. Do not breathe dust.

#### Ingestion

Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

### **Self-Protection of the First Aider**

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8). Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid breathing vapors or mists.

### **Most important symptoms and effects, both acute and delayed**

#### **Most Important Symptoms and Effects**

Burning sensation. Coughing and/or wheezing. Difficulty in breathing. Itching. Rashes. Hives.

### **Indication of any immediate medical attention and special treatment needed**

#### **Notes to Physician**

Treat symptomatically. May cause sensitization of susceptible persons.

## **SECTION 5: FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media:** CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific Hazards Arising from the Chemical:** Product is/or contains a sensitizer. May cause sensitization by skin contact.

#### **Uniform Fire Code:**

Sensitizer: Liquid Toxic: Liquid

**Hazardous Combustion Products:** Carbon oxides

#### **Explosion Data**

Sensitivity to mechanical impact No.

Sensitivity to static impact No.

**Protective Equipment and Precautions for Firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation. Avoid breathing vapors or mists. Avoid generation of dust.

**Other Information:** Refer to protective measures listed in Sections 7 & 8

### **Environmental Precautions**

**Environmental Precautions:** Refer to protective measures listed in Sections 7 & 8.

## **Methods and Material for Containment and Cleaning Up**

**Methods for Containment:** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up:** Immediately place absorbent material in a sealed water-filled metal container to avoid spontaneous combustion of absorbent material contaminated with this product. Pick up and transfer to properly labeled containers.

## **SECTION 7: HANDLING AND STORAGE**

### **Precautions for Safe Handling**

**Handling:** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Avoid breathing vapors or mists. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash before reuse. Keep away from contact with clothing and other combustible materials to avoid fire.

### **Conditions for Safe Storage, Including any Incompatibilities**

**Storage:** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

**Incompatible Products:** None known based on information supplied.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Exposure Guidelines**

| <b><i>Chemical Name</i></b>    | <b><i>ACGIH TLV</i></b> | <b><i>OSHA PEL</i></b>                                                                                                            | <b><i>NIOSH IDLH</i></b>                                                         |
|--------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Calcium carbonate<br>1317-65-3 |                         | TWA: 15mg/m <sup>3</sup><br>TWA: 5 mg/m <sup>3</sup><br>(vacated) TWA: 15 mg/m <sup>3</sup><br>(vacated) TWA: 5 mg/m <sup>3</sup> | TWA: 5 mg/m <sup>3</sup> respirable dust<br>TWA: 10 mg/m <sup>3</sup> total dust |
| Zinc oxide 1314-13-2           | TWA 5 mg/m <sup>3</sup> | TWA 5 STEL 100 CSI 25 mg/m <sup>3</sup>                                                                                           | No data available                                                                |
| Carbon black 1333-86-4         |                         | ***** No data available *****                                                                                                     |                                                                                  |

ACGIH TLV: American Conference of Governmental Industrial Hygienists – Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration – Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

### **Other Exposure Guidelines**

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11<sup>th</sup> Cir., 1992). See section 15 for national exposure control parameters

### **Appropriate Engineering Controls**

**Engineering Measures:** Showers / Eyewash Stations / Ventilation Systems

## **Individual Protection Measures, such as Personal Protective Equipment**

**Eye/Face Protection:** If splashes are likely to occur, wear safety glasses with side shields (or goggles). None required for consumer use.

**Skin and body Protection:** Wear protective gloves and protective clothing.

**Respiratory Protection:** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash before reuse. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

|                        |                          |                        |                          |
|------------------------|--------------------------|------------------------|--------------------------|
| <b>Physical State:</b> | Viscous liquid           | <b>Odor:</b>           | Very Slight              |
| <b>Appearance:</b>     | Black                    | <b>Odor Threshold:</b> | No information available |
| <b>Color:</b>          | No information available |                        |                          |

| <b><u>Property</u></b>                 | <b><u>Values</u></b> | <b><u>Remarks/Method</u></b> |
|----------------------------------------|----------------------|------------------------------|
| pH                                     | 8.5                  | None known                   |
| Melting/freezing point                 | No data available    | None known                   |
| Boiling point/boiling range            | No data available    | None known                   |
| Flash Point                            | No data available    | None known                   |
| Evaporation rate                       | No data available    | None known                   |
| Flammability (solid, gas)              | No data available    | None known                   |
| Flammability Limit in Air              |                      |                              |
| Upper flammability limit               | No data available    | None known                   |
| Lower flammability limit               | No data available    | None known                   |
| Vapor pressure                         | No data available    | None known                   |
| Vapor density                          | No data available    | None known                   |
| Specific Gravity                       | No data available    | None known                   |
| Water Solubility                       | Miscible in water    | None known                   |
| Solubility in other solvents           | No data available    | None known                   |
| Partition coefficient: n-octanol/water | No data available    | None known                   |
| Autoignition temperature               | No data available    | None known                   |
| Decomposition temperature              | No data available    | None known                   |
| Kinematic viscosity                    | No data available    | None known                   |
| Dynamic viscosity                      | No data available    | None known                   |
| Explosive properties                   | No data available    |                              |
| Oxidizing properties                   | No data available    |                              |

### **Other Information**

|                            |                   |
|----------------------------|-------------------|
| Softening Point            | No data available |
| VOC Content (%)            | No data available |
| Particle size              | No data available |
| Particle size distribution | No data available |

## SECTION 10: STABILITY AND REACTIVITY

### Reactivity

No data available

### Conditions to Avoid

Excessive heat

### Chemical Stability

Stable under recommended storage conditions

### Incompatible Materials

None known based on information supplied

### Possibility of Hazardous Reactions

None under normal processing

### Hazardous Decomposition Products

Carbon oxides

### Hazardous Polymerization

Hazardous polymerization does not occur

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

**Product Information:** Product does not present an acute toxicity hazard based on known or supplied information

**Inhalation:** Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. Harmful by inhalation (based on components).

**Eye Contact:** Specific test data for the substance or mixture is not available. Expected to be an irritant based on components. May cause redness, itching, and pain. May cause temporary eye irritation.

**Skin Contact:** Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.

**Ingestion:** Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### Component Information

| <b>Chemical Name</b>     | <b>Oral LD50</b>    | <b>Dermal LD50</b>     | <b>Inhalation LC50</b>            |
|--------------------------|---------------------|------------------------|-----------------------------------|
| Propylene Glycol 57-55-6 | = 20000 mg/kg (Rat) | = 20800 mg/kg (Rabbit) | = 310 mg/m <sup>3</sup> (Rat) 1 h |
| Chlorothalonil 1897-45-6 |                     | > 10 g/kg (Rabbit)     |                                   |
| Carbon black 1333-86-4   | No data available   | No data available      | No data available                 |
| Zinc oxide 134-13-2      | 7950 mg/kg (Mouse)  | No data available      | No data available                 |

## **Information on Toxicological Effects**

**Symptoms:** May cause redness and tearing of the eyes, coughing and/or wheezing, itching, rashes and hives.

## **Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure**

**Sensitization:** May cause sensitization of susceptible persons. May cause sensitization by skin contact.

**Mutagenic Effects:** No information available

**Carcinogenicity:** The table below indicates whether each agency has listed any ingredient as a carcinogen

| <b>Chemical Name</b>        | <b>ACGIH</b> | <b>IARC</b> | <b>NTP</b> | <b>OSHA</b> |
|-----------------------------|--------------|-------------|------------|-------------|
| Carbon black<br>1333-86-4   |              | Group 2B    |            | X           |
| Chlorothalonil<br>1897-45-6 |              | Group 2B    |            | X           |

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A2 – Suspected Human Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 2B – Possibly Carcinogenic to Humans

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X-Present

**Reproductive Toxicity, STOT Single Exposure, STOT Repeated Exposure:** No information available

**Chronic Toxicity:** Titanium dioxide has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B) by inhalation. Contains a known or suspected carcinogen.

**Target Organ Effects:** Eyes, respiratory system, skin, gastrointestinal tract (GI) & lungs.

**Aspiration Hazard:** No information available

## **Numerical Measures of Toxicity Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

|                                                      |                                                   |
|------------------------------------------------------|---------------------------------------------------|
| <b>_ATEmix (oral)</b><br>8,711.00 mg/kg              | <b>ATEmix (inhalation-dust/mist)</b><br>2.41 mg/l |
| <b>ATEmix (dermal)</b><br>21,608.00 mg/kg (ATE)      | <b>ATEmix (inhalation-vapor)</b><br>16.00 ATEmix  |
| <b>ATEmix (inhalation-gas)</b><br>3,118.00 ppm (4hr) |                                                   |

## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Toxic to aquatic life with long lasting effects

| <i>Chemical Name</i>        | <i>Toxicity to Algae</i>                                                                                                 | <i>Toxicity to Fish</i>                                                                                                                                                                                          | <i>Toxicity to Microorganisms</i> | <i>Daphnia Magna (Water Flea)</i>               |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------------------------------------|
| Propylene Glycol<br>57-55-6 | 96h EC50: = mg/L<br>(Pseudokirchneriella<br>Subcapitata)                                                                 | 96h LC50: = 51600 mg/L<br>(Oncorhynchus mykiss) 96h<br>LC50: 41-47 mL/L<br>(Oncorhynchus mykiss) 96h<br>LC50: 51400 mg/L<br>(Pimephales promelas) 96h<br>LC50: = 710 mg/L<br>(Pimephales promelas)               |                                   | 24h EC50: > 10000 mg/L<br>48h EC50: > 1000 mg/L |
| Chlorothalonil<br>1897-45-6 | 72h EC50: = 0.57 mg/L<br>(Desmodesmus<br>Subspicatus) 72h EC50: =<br>0.0068 mg/L<br>(Pseudokirchneriella<br>Subcapitata) | 96h LC50: = 0.012 mg/L<br>(Oncorhynchus mykiss) 96h<br>LC50: 0.0076 mg/L<br>(Oncorhynchus mykiss) 96h<br>LC50: 0.0221-0.032 mg/L<br>(Lepomis macrochirus) 96h<br>LC50: 0.045-0.057 mg/L<br>(Lepomis macrochirus) |                                   | 48h EC50: 0.0342-0.143 mg/L                     |

**Persistence and Degradability:** No information available

### Bioaccumulation

| <i>Chemical Name</i>                      | <i>Log Pow</i> |
|-------------------------------------------|----------------|
| Chlorothalonil<br>1897-45-6               | 2.9            |
| Methylchloroisothiazolinone<br>26172-55-4 | -0.71-0.75     |

**Other Adverse Effects:** No information available

## SECTION 13: DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

**Disposal Methods:** This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated Packaging:** Dispose of contents/containers in accordance with local regulations

**California Hazardous Waste Codes:** 331

## SECTION 14: TRANSPORT INFORMATION

|                      |               |
|----------------------|---------------|
| <u>DOT</u>           | Not Regulated |
| Proper Shipping Name | Non-Regulated |
| Hazard Class         | N/A           |



**TDG**  
 Un-No. UN3082  
 Proper Shipping Name Environmentally Hazardous Substance, Liquid, N.O.S.  
 Hazard Class 9  
 Packing Group III  
 Description UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Chlorothalonil), 9, III, Marine Pollutant

**IATA**  
 Un-No. 3082  
 Proper Shipping Name Environmentally Hazardous Substance, Liquid, N.O.S.  
 Hazard Class 9  
 Packing Group III  
 Description UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Chlorothalonil), 9, III

**IMDG/IMO**  
 Un-No. 3082  
 Proper Shipping Name Environmentally Hazardous Substance, Liquid, N.O.S.  
 Hazard Class 9  
 Packing Group III  
 EmS No. F-A, S-F  
 Marine Pollutant Description Product is a marine pollutant according to the criteria set by IMDG/IMO  
 UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Chlorothalonil), 9, III, Marine Pollutant

**SECTION 15: REGULATORY INFORMATION**

**International Inventories**

TSCA Complies  
 DSL All components are listed either on the DSL or NDSL

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

| <b>Chemical Name</b> | <b>CAS No.</b> | <b>Weight - %</b> | <b>SARA 313 – Threshold Values %</b> |
|----------------------|----------------|-------------------|--------------------------------------|
| Chlorothalonil       | 1897-45-6      | 0.1-1             | 0.1                                  |

**SARA 311/312 Hazard Categories**

Acute Health Hazard Yes  
 Chronic Health Hazard Yes  
 Fire Hazard No

Sudden release of pressure hazard      No  
 Reactive Hazard                                      No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals:

| <b>Chemical Name</b>       | <b>California Proposition 65</b> |
|----------------------------|----------------------------------|
| Carbon black – 1333-86-4   | Carcinogen                       |
| Chlorothalonil – 1897-45-6 | Carcinogen                       |

**U.S. State Right-to-Know Regulations**

| <b>Chemical Name</b>          | <b>New Jersey</b> | <b>Massachusetts</b> | <b>Pennsylvania</b> | <b>Rhode Island</b> | <b>Illinois</b> |
|-------------------------------|-------------------|----------------------|---------------------|---------------------|-----------------|
| Calcium carbonate – 1317-65-3 | X                 | X                    | X                   |                     |                 |
| Propylene Glycol – 57-55-6    | X                 |                      | X                   |                     |                 |
| Chlorothalonil – 1897-45-6    | X                 | X                    | X                   | X                   |                 |
| Zinc oxide – 1314-13-2        | X                 | X                    | X                   |                     |                 |
| Carbon black – 1333-86-4      | X                 | X                    | X                   |                     |                 |

**International Regulations**

Canada  
 WHMIS Hazard Class  
 D2A – Very toxic materials  
 D2B – Toxic materials



**SECTION 16: OTHER INFORMATION**

|      |                   |                |                   |                                                      |
|------|-------------------|----------------|-------------------|------------------------------------------------------|
| NFPA | Health Hazards 2  | Flammability 0 | Instability 0     | Physical and Chemical Hazards<br>Personal Protection |
| HMIS | Health Hazards 2* | Flammability 0 | Physical Hazard 0 | X                                                    |

Chronic Hazard Star Legend \* = Chronic Health Hazard

**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 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 Hotline at 1-800-424-LEAD (5323) or log on to: [www.epa.gov/lead](http://www.epa.gov/lead)