



# MATERIAL SAFETY DATA

Chemtrec 24-Hour Emergency Telephone

Domestic North America (800) 424-9300

International (800) 527-3887

*This MSDS complies with 29 CFR 1910.1200 (Hazard Communications)*

## 1. Product and Supplier Identification

**Product Name:** Glass Bubbles  
**Product Number:** 15731, 15735, 15738, 157300, 157310  
**Date of Prep:** 10-16-2010  
**Product Type:** Lightweight Filler  
**Supplier:** Fiberlay Inc.  
 24 S. Idaho S.  
 Seattle, Wa 98134  
 (206)782-0660

## 2. Composition/Information On Ingredients

CAS No.	Chemical Name	% (by weight)
65997-17-3	Soda Lime Borosilicate Glass	99.7 - 100
111031-82-4	Chromium, Aqua Chloro Hydroxy Methacrylate Complexes	<0.3

## 3. Hazards Identification

### Emergency Overview:

**Specific Physical Form:** Low Density Fine Powder (less than 10 microns)

**Odor, Color, Grade:** White, Odorless

**General Physical Form:** Solid

### Potential Health Effects:

**Eye:** Mechanical eye irritation: Signs/symptoms may include pain, redness, tearing and corneal abrasion.

**Skin:** Mechanical Skin irritation: Signs/symptoms may include abrasion, redness, pain, and itching.

**Swallowing:** Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, nausea, diarrhea and vomiting.

**Inhalation:** Prolonged or repeated exposure may cause signs/symptoms which may include difficulty breathing, cough, wheezing, weakness, increased heart rate, bluish colored skin (cyanosis), sputum production and changes in lung function tests.

#### 4. First Aid Measures

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

**Eyes:**

- Flush eyes gently with water for at least 15 minutes
- If signs / symptoms persist, seek medical attention

**Skin:**

- Wash exposed area with soap and water
- If signs / symptoms develop, seek medical attention

**Swallowing:**

- Consult a physician or poison control center immediately
- DO NOT INDUCE VOMITING
- Give victim two glasses of water
- If individual is drowsy or unconscious, do not give anything by mouth
- Place individual on the left side with the head down
- If possible, do not leave individual unattended.

**Inhalation:** Remove person to fresh air. If signs/symptoms develop, get medical attention

- Immediately move individual away from exposure and into fresh air
- If signs / symptoms develop, seek immediate medical attention
- Keep person warm and quiet
- If person is not breathing, begin artificial respiration
- If breathing is difficult, oxygen may be beneficial if administered by trained personnel.

#### 5. Fire Fighting Measures

**Autoignition Temperature:** Not applicable  
**Flash Point:** Not applicable  
**Flammable Limits - LEL:** Not applicable  
**Flammable Limits - UEL:** Not applicable

**Fire and Explosion Hazards:** No unusual fire or explosion hazards are anticipated.

**Extinguishing Media:** Regular foam, carbon dioxide, dry chemical.

**Fire Fighting Instructions:** Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

## 6. Accidental Release Measures

- Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.
- Evacuate unprotected and untrained personnel from hazard area.
- The spill should be cleaned up by qualified personnel.
- Ventilate the area with fresh air.
- Collect as much of the spilled material as possible.
- Use wet sweeping compound or water to avoid dusting.
- Sweep up and clean up residue.
- Place in a closed container approved for transportation by appropriate authorities.
- Dispose of collected material as soon as possible.

*In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.*

## 7. Handling and Storage

### HANDLING:

- Do not eat, drink or smoke when using this product.
- Wash exposed areas thoroughly with soap and water.
- For industrial or professional use only.

### STORAGE:

- Store away from oxidizing agents.

## 8. Exposure Controls / Personal Protection

**Engineering Controls:** Conduct air monitoring to determine adequacy of ventilation. Use with appropriate local exhaust ventilation.

**Eye Protection:** Chemical splash goggles in compliance with OSHA regulations are recommended. Avoid eye contact. The following eye protection(s) are recommended:  
Safety Glasses with side shields.

**Skin Protection:** Protective gloves and proper clothing should be worn to prevent skin contact. Gloves should be made of neoprene or natural rubber.

**Respiratory Protection:** Use a NIOSH approved respirator designed to remove particulate matter and organic solvent vapors: Half face piece or full face air-purifying respirator with P95 particulate filters.

**Prevention Ingestion:** Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

**Exposure Guidelines:**

<b>Ingredient</b>	<b>Authority</b>	<b>Type</b>
Chromium (III) Compounds	ACGIH	TWA, as Cr
Chromium (III) Compounds	OSHA	TWA, as Cr
Soda Lime Borosilicate Glass	3M	TWA, as dust

**SOURCE OF EXPOSURE LIMIT DATA:**

**ACGIH:** American Conference of Governmental Industrial Hygienists

**CMRG:** Chemical Manufacturer Recommended Guideline

**OSHA:** Occupational Safety and Health Administration

**AIHA:** American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

## 9. Physical and Chemical Properties

<b>Boiling Point:</b>	Not applicable	<b>Spec. Physical Form</b>	Low density fine powder (< 10 microns)
<b>Specific Gravity</b>	0.12 – 0.63 g/ml	<b>Gen. Physical Form</b>	Solid
<b>Evaporation Rate:</b>	Not applicable	<b>% Volatiles by wt</b>	< 0.5% weight
<b>Melting Point:</b>	No data Available	<b>Physical State:</b>	Paste
<b>Odor / Color:</b>	Odorless / White	<b>Solubility in Water:</b>	Slight (< 10%)
<b>Vapor Pressure:</b>	Not applicable	<b>Volatile Organic Cpds</b>	Not applicable
<b>Vapor Density:</b>	Not applicable		

## 10. Stability and Reactivity

**Stability:** Stable

**Materials and Conditions to Avoid:** None known

**Hazardous Polymerization:** Will not occur

### Hazardous Decomposition or By-Products

<u>Substance</u>	<u>Condition</u>
None known	Not specified

## 11. Toxicological Information

Not Determined

## 12. Ecological Information

Not Determined

### 13. Disposal Considerations

**Waste Disposal Method:** Reclaim if feasible. Dispose of waste product in a permitted hazardous waste facility.

**EPA Hazardous Waste Number (RCRA):** D007 (Chromium)

*Since regulations vary, consult applicable regulations or authorities before disposal.*

### 14. Transport Information

Contact Fiberlay, Inc

### 15. Regulatory Information

**US Federal Regulations:**

**311/312 Hazard Categories**

- **Fire Hazard:** No
- **Pressure Hazard:** No
- **Reactivity Hazard:** No
- **Immediate Hazard:** Yes
- **Delayed Hazard:** No

**State Regulations:**

- **Contact Fiberlay for more information**

**Chemical Inventories:**

- **This product is an article as defined by TSCA regulations, and is exempt from TSCA Inventory listing requirements.**
- **Contact Fiberlay for more information**

**International Regulations:**

- **Contact Fiberlay for more information**

*This product is an article as defined by TSCA, EINECS, CDSL, MITI, KECI, AICS, PICCS and CICS regulations, and is exempt from chemical inventory listing requirements. Korea and China also require product registration.*

### 16. Other Information

**NFPA Hazard Classification**

**Health: 1    Flammability: 0    Reactivity: 0    Special Hazards: None**

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

**HMIS Hazard Classification**

**Health: 1    Flammability: 0    Reactivity: 0    Protection: X - See PPE section.**

Hazardous Material Identification System (HMIS(r)) hazard ratings are designed to inform employees of chemical hazards in the workplace. These ratings are based on the inherent properties of the material under expected conditions of normal use and are not intended for use in emergency situations. HMIS(r) ratings are to be used with a fully implemented HMIS(r) program. HMIS(r) is a registered mark of the National Paint and Coatings Association (NPCA).

**Preparation Date:** 10-16-10

**Prepared by:** Fiberlay Inc

**Comments:** This Material Safety Data Sheet was prepared using information provided by 3M, Fiberlay Inc, and CCINFO

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**Revisions:** None