

SAFETY DATA SHEET

BCS LD-680

Printed: 04/13/2020
Revision: 03/31/2020
Supersedes Revision: 04/08/2015

1. Product and Company Identification

Product Code: BCLD680/100
Product Name: BCS LD-680
Company Name: BCS Company
P.O. Box 247 763 Thompson Rd.
Thompson, CT 06277
Phone Number: 1 (860)923-9575
Emergency Contact: Chemtrec 1 (800)424-9300

2. Hazards Identification

Serious Eye Damage/Eye Irritation, Category 2A
Target Organ Systemic Toxicity (single exposure), Category 1
Target Organ Systemic Toxicity (repeated exposure), Category 1



GHS Signal Word: Danger

GHS Hazard Phrases: Causes serious eye irritation.
May cause respiratory irritation.

GHS Precaution Phrases: Keep out of reach of children.
Read label before use.
Do not breathe {dust/fume/gas/mist/vapors/spray}.
Do not get in eyes, on skin, or on clothing.
Wear rubber gloves, chemical goggles, face shield and rubber apron.
Wash hands thoroughly after handling.

GHS Response Phrases: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get immediate medical advice/attention.
IF ON SKIN: Remove immediately all contaminated clothing and wash it before reuse. Wash with plenty of water for 15 minutes. If skin irritation occurs: Get medical advice/attention.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Get medical advice/attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes. Get immediate medical advice/attention.

Medical and Transportation Emergencies contact Chemtrec 1-800-424-

GHS Storage and Disposal Phrases: 9300 Store locked up.
Dispose of contents/container in accordance to local, state and federal regulations.

Hazard Rating System:

HEALTH	3
FLAMMABILITY	0
PHYSICAL	1
PPE	E

HMIS:

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Potential Health Effects (Acute and Chronic):

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
14808-60-7	Quartz	>99.0 %
1344-28-1	Aluminum oxide	< 0.8 %
1309-37-1	Iron oxide (Fe ₂ O ₃)	< 0.1 %
13463-67-7	Titanium dioxide	< 0.1 %

4. First Aid Measures

Emergency and First Aid Procedures:	No data available.
In Case of Inhalation:	Immediately move victim to fresh air. If experiencing respiratory symptoms: Get immediate medical advice/attention.
In Case of Skin Contact:	Brush off loose excess material. Flush thoroughly with fresh, tepid water for 15 minutes. Discard contaminated clothing and footwear or wash before reuse. If skin irritation occurs: Get medical advice/attention.
In Case of Eye Contact:	Immediately flush eyes with large amounts of fresh, tepid water for at least 15 minutes. Hold eyelids open to ensure complete irrigation of eye and lid tissues. Tilt head to the side and irrigate the eye from the bridge of the nose to the outside of the face. Keep run-off from entering the other eye, mouth or ear. Washing eye within the first few seconds is essential to achieve maximum effectiveness. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
In Case of Ingestion:	Do not induce vomiting. Rinse mouth with fresh, Tepid water, then immediately drink 4-8 oz. or milk or water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep airways open. Keep head lower than hips to prevent aspiration into the lungs. Get medical advice/attention.

5. Fire Fighting Measures

Flash Pt:	No data.	
Explosive Limits:	LEL: No data.	UEL: No data.
Autoignition Pt:	No data.	
Suitable Extinguishing Media:	Dry chemical, CO ₂ , sand, earth, water spray or regular foam.	
Fire Fighting Instructions:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.	
Flammable Properties and Hazards:	No data available.	

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures:	Safety glasses, rubber or neoprene gloves. Wear chemical protective clothing. NIOSH/MSHA approved respirator
Steps To Be Taken In Case Material Is Released Or Spilled:	Vacuum or sweep up material and place into a suitable disposal container.

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7. Handling and Storage

Precautions To Be Taken in Handling: For industrial or institutional use only.

Precautions To Be Taken in Storing: Keep container closed when not in use. Store in a tightly closed container. Store in cool, dry area

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
14808-60-7	Quartz	PEL: 8825 ppm/(%SiO ₂ +5)	TLV: 0.05 mg/m ³ (R)	No data.
1344-28-1	Aluminum oxide	PEL: 15 (dust); 5 (resp.) mg/m ³	TLV: 10 mg/m ³ (E)	No data.
1309-37-1	Iron oxide (Fe ₂ O ₃)	PEL: 10 mg/m ³	TLV: 5 mg/m ³ (dust & fume)	No data.
13463-67-7	Titanium dioxide	PEL: 15 (dust) mg/m ³	TLV: 10 mg/m ³	No data.

Respiratory Equipment (Specify Type): NIOSH/MSHA approved respirator

Eye Protection: Safety glasses

Protective Gloves: Rubber or neoprene gloves

Other Protective Clothing: Wear chemical protective clothing.

Engineering Controls (Ventilation etc.): Ventilation is normally required when handling or using this product to keep exposure to airborne contaminants below the exposure limit.

9. Physical and Chemical Properties

Physical States: [] Gas [] Liquid [X] Solid

Appearance and Odor: Appearance: White or Tan sand; granular, crushed, or ground.
Odor: No apparent odor.

Melting Point: 270.00 C

Boiling Point: 320.00 C

Autoignition Pt: No data.

Flash Pt: No data.

Explosive Limits: LEL: No data. UEL: No data.

Specific Gravity (Water = 1): No data.

Vapor Pressure (vs. Air or mm Hg): No data.

Vapor Density (vs. Air = 1): No data.

Evaporation Rate: No data.

Solubility in Water: 100

Percent Volatile: No data.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: Avoid handling conditions which may allow for leaks and spills of this material. Do not permit personnel to handle this product without proper training and/or protective equipment.

Incompatibility - Materials To Avoid: Oxidizing materials.

Hazardous Decomposition Or Byproducts: Silica will dissolve in hydrofluoric acid and produce a corrosive gas, silicon tetrafluoride.

Possibility of Hazardous Will occur [] Will not occur [X]

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Reactions:

Conditions To Avoid - No data available.

Hazardous Reactions:

11. Toxicological Information

Toxicological Information: Eye contact, Skin contact, Ingestion

Irritation or Corrosion: Eyes: May causes eye irritation.

Skin: Health injuries are not known or expected under normal use.

Ingestion: Health injuries are not known or expected under normal use.

Inhalation: May cause nose, throat, and lung irritation.

Symptoms related to

Eyes: Redness, pain, irritation.

Toxicological

Skin: No symptoms known or expected.

Characteristics:

Ingestion: No symptoms known or expected.

Inhalation: Respiratory irritation, cough

Chronic Toxicological

CAS# 14808-60-7 If inhaled may be carcinogenic.

Effects:

Carcinogenicity:

NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

General Ecological

This product has no known ecotoxicological effects.

Information:

13. Disposal Considerations

Waste Disposal Method: Dispose of contents/container in accordance to local, state and federal regulations.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Compound Cleaner, Not Regulated.

DOT Hazard Class:

UN/NA Number:

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
14808-60-7	Quartz	No	No	No
1344-28-1	Aluminum oxide	No	No	Yes
1309-37-1	Iron oxide (Fe ₂ O ₃)	No	No	No
13463-67-7	Titanium dioxide	No	No	No

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16. Other Information

Revision Date: 03/31/2020

Additional Information About This Product: Company's Disclaimer: While BCS Co., Inc. believes this statement set forth herein are accurate as of the date hereof, BCS Co., Inc. makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration, investigation and verification.