



SAFETY DATA SHEET

Brewguard™ Powdered Brewery Cleaner

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Printed: 11/16/2015
Revision: 11/16/2015
Supersedes Revision: 04/06/2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: BGPBC
Product Name: Brewguard™ Powdered Brewery Cleaner
Company Name: Shepard Bros., Inc.
503 S. Cypress St.
La Habra, CA 90631
Phone Number: +1 (562)697-1366
Web site address: www.shepardbros.com
Emergency Contact: CHEMTREC +1 (800)424-9300
Product Category: Powdered Non-Chlorinated Alkaline Cleaner

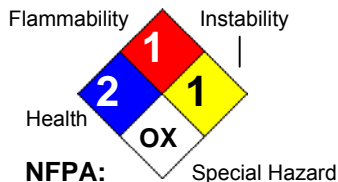
2. HAZARDS IDENTIFICATION

Skin Corrosion/Irritation, Category 1B
Serious Eye Damage/Eye Irritation, Category 1
Specific Target Organ Toxicity (single exposure), Category 3



GHS Signal Word: Danger
GHS Hazard Phrases: H314 - Causes severe skin burns and eye damage.
H318 - Causes serious eye damage.
H335 - May cause respiratory irritation.
GHS Precaution Phrases: P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P264 - Wash hands thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
GHS Response Phrases: P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. P363 - Wash contaminated clothing before reuse.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER or doctor/physician.
GHS Storage and Disposal Phrases: P403+233 - Store container tightly closed in well-ventilated place. P501 - Dispose of contents and containers in accordance with local, regional, national, and international regulations.

Hazard Rating System:





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Potential Health Effects (Acute and Chronic):

Inhalation: May cause coughing, sneezing, or other symptoms of upper respiratory tract irritation.
Skin Contact: Can cause reddening and irritation of the skin. Can cause chemical burn.
Eye Contact: May cause redness, pain, and severe deep burns.
Ingestion: May cause burning of the mouth, esophagus, or stomach.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
6834-92-0	Disodium trioxosilicate	20.0 - 40.0 %
15630-89-4	Sodium percarbonate	10.0 - 20.0 %
7758-29-4	STPP	40.0 - 60.0 %
497-19-8	Sodium carbonate	2.00 - 8.00 %

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

In Case of Inhalation: Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask. Get medical attention immediately.

In Case of Skin Contact: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Gently wash with plenty of soap and water. Wash contaminated clothing separately before reuse. Get medical aid if irritation develops and persists.

In Case of Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do after 5 minutes and continue rinsing for an additional 15 minutes. Get medical attention immediately.

In Case of Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Note to Physician: Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

5. FIRE FIGHTING MEASURES

Flash Pt: NA

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

Autoignition Pt: NA

Suitable Extinguishing Media: Foam, CO2, water fog, sand/earth.

Fire Fighting Instructions: As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH/MSHA approved (or equivalent) and full protective gear.

Flammable Properties and Hazards: This product will undergo exothermic decomposition, releasing oxygen gas that may increase the intensity of a fire. When wet, will undergo exothermic decomposition that may result in an organic material catching on fire. High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide.



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6. ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures: Use proper personal protective equipment as indicated in Section 8.

Environmental Precautions: Do not let product enter drains, sewers, watersheds or water systems.

Steps To Be Taken In Case Material Is Released Or Spilled: Spills/Leaks: Provide ventilation. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Contain spill using an inert diking material. Transfer material into an approved container for possible recovery and reuse or for disposal. If appropriate, moisten first to prevent dusting. Remaining traces can be neutralized using any dilute acid (hydrochloric, sulfuric, or acetic acid).

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling: Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.

Precautions To Be Taken in Storing: Store in a cool, dry area away from incompatible substances. Keep away from heat, sparks and flame. Do not store in direct sunlight. Do not store in aluminum containers or use transfer lines with aluminum fittings. Store in a tightly closed container. Keep container closed when not in use. Protect containers against damage.

Other Precautions: Handle in accordance with good industrial hygiene and safety practices. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
6834-92-0	Disodium trioxosilicate	No data.	No data.	No data.
15630-89-4	Sodium percarbonate	No data.	TLV: 10 mg/m3	No data.
7758-29-4	STPP	No data.	No data.	No data.
497-19-8	Sodium carbonate	No data.	No data.	No data.

Respiratory Equipment (Specify Type): Avoid breathing dusts and mists. Use a NIOSH/MSHA approved respirator, with a full-facepiece or a full-facepiece respirator with organic vapor cartridges when concentrations are unknown.

Eye Protection: Wear chemical splash goggles and a full-face shield where there is potential for eye contact.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure. Rubber or neoprene gloves. Vinyl gloves.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure. Chemical resistant apron. Rubber or neoprene boots.

Engineering Controls (Ventilation etc.): Ensure adequate ventilation. Local exhaust is suggested for use in enclosed or confined areas. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

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

Appearance and Odor: Appearance: White. Free flowing. Powder.
Odor: Mild.

Melting Point: NA

Boiling Point: NA

Decomposition Temperature: NA

Autoignition Pt: NA

Flash Pt: NA

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

Specific Gravity (Water = 1): NA

Density: NA

Bulk density: 65 - 75 LB/CF

Vapor Pressure (vs. Air or mm Hg): NA

Vapor Density (vs. Air = 1): NA

Evaporation Rate: NA

Solubility in Water: Appreciable

Saturated Vapor Concentration: NA

Viscosity: NA

pH: 12 - 13 - (1% Soln)

Percent Volatile: NA

VOC / Volume: NA

Particle Size: NA

Heat Value: NA

Corrosion Rate: NA

10. STABILITY AND REACTIVITY

Reactivity: High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide.

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: High temperatures, Incompatible materials.

Incompatibility - Materials To Avoid: Strong acids, Halogens, Metals.

Hazardous Decomposition or Byproducts: High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide.

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

Conditions To Avoid - Hazardous Reactions: No data available.



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11. TOXICOLOGICAL INFORMATION

Toxicological Information: Epidemiology: No information available.
Teratogenicity: No information available.
Reproductive Effects: No data available.
Mutagenicity: No information available.
Neurotoxicity: No data available.
Other Studies: CAS# 6834-92-0:
Acute toxicity, LD50, Oral, Rat, 1000 mg/kg.

Irritation or Corrosion: Other Studies: CAS# 6834-92-0:
Standard Draize Test, Skin, Species: Rabbit, 250.0 mg, 24H.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. ECOLOGICAL INFORMATION

General Ecological Information: Environmental: No information found.
Physical: No information found.

Results of PBT and vPvB assessment: No data available.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Corrosive solids, oxidizing, N.O.S. (Sodium Metasilicate, Sodium Percarbonate)
DOT Hazard Class: 8 CORROSIVE
UN/NA Number: UN3084 **Packing Group:** II



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)
6834-92-0	Disodium trioxosilicate	No	No	No
15630-89-4	Sodium percarbonate	No	No	No
7758-29-4	STPP	No	Yes 5000 LB	No
497-19-8	Sodium carbonate	No	No	No



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CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
6834-92-0	Disodium trioxosilicate	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No
15630-89-4	Sodium percarbonate	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No
7758-29-4	STPP	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8
497-19-8	Sodium carbonate	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No

Regulatory Information: PROPOSITION 65 (Chemicals known to the state of California to cause cancer or reproductive toxicity): This product may contain traces of: ethylene oxide (CAS 75-21-8).

16. OTHER INFORMATION

Revision Date: 11/16/2015

Preparer Name: Crystal Maira

Additional Information: 11/16/2015 - SDS updated with formulary change.

Company Policy or Disclaimer: Information presented herein is believed to be accurate and reliable to the best of our knowledge. However, we make no warranty or merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process. Users should make their own investigations to determine the suitability of the information for their particular purposes.