Bar Keeper's Friend, Inc.
Safety Data Sheet

1. Identification

Product name: Bar Keepers Friend Powder

Restrictions on use: None known

Supplier: Bar Keeper's Friend, Inc.
5240 Walt Place
Indianapolis, IN 46254
T 1-800-433-5818 (for USA callers)

Emergency number: 1-800-424-9300 (CHEMTREC)
(Chemical Spills, Leaks, Fire, Exposure or Accident only):
CHEMTREC 1-800-424-9300 (in the US), 1-703-527-3887 (Outside the US)

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2. Hazard(s) identification

Classification:

Physical hazards	Health hazards	Environmental hazards
Not classified	Serious eye damage Category 1	Not classified

GHS US labeling:

Danger!



CONTAINS: Oxalic Acid Dihydrate

Hazard statements (GHS US)	Precautionary statements (GHS US)
H318 - Causes serious eye damage	P280 - Wear eye protection. P305+P351+P338 - 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.

3: Composition/Information on ingredients

Component	CAS-No.	Amount (%)
Non-Hazardous Ingredients	Mixture	80 – 90
Oxalic Acid Dihydrate	6153-56-6	5-<10
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	68081-81-2	1 – 5
sodium carbonate	497-19-8	1 – 5

4. First-aid measures

Inhalation: Move the affected person to fresh air. Get medical attention if symptoms occur.

Skin: Rinse with water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.

Eyes: Immediately flush eyes thoroughly with water for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

Ingestion: Rinse mouth out with water. Do NOT induce vomiting. Call a poison center or a doctor if you feel unwell.

Immediate medical attention and special treatment, if necessary: Immediate medical attention is required for eye contact.

5. Fire-fighting measures

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media: None.

Fire hazard: This product is not classified as flammable or combustible.

Special protective equipment and precautions for fire-fighters: Do not attempt to take action without suitable protective equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Wear suitable protective clothing. Avoid contact with eyes, skin and clothing.

Methods and material for containment and cleaning up: Contain and collect as any solid. Avoid raising powdered materials into airborne dust. Carefully shovel or sweep up spilled material and place in suitable container. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

For waste disposal after cleaning, see section 13.

7. Handling and storage

Precautions for safe handling: Wear personal protective equipment. Avoid contact with eyes, skin and clothing. Wash hands with water and soap. Ensure adequate ventilation. Do not mix with other products. Empty containers retain product residue and can be hazardous.

Storage conditions: Store in a cool, well-ventilated place. Keep in original containers.

8. Exposure controls/personal protection

Exposure guidelines:	
Oxalic Acid Dihydrate	1 mg/m³ TWA OSHA PEL; 1 mg/m³ TWA ACGIH TLV; 2 mg/m³ STEL ACGIH TLV;
Non-Hazardous Ingredients	None established.
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	None established.
sodium carbonate	None established.

Appropriate engineering controls: No particular/specific measures required.

Environmental exposure controls: Avoid release to the environment.

Personal protective equipment:

Hand protection: No special protection required

Eye protection: Avoid contact with eyes. Wear safety goggles or other eye protection to prevent eye contact.

Skin and body protection: None under normal conditions

Respiratory protection: Not required for normal conditions of use. In case of insufficient ventilation, wear suitable respiratory equipment. In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

9. Physical and chemical properties

Appearance: White to off-white.

Physical state	: Solid	**Solubility**	: Partially soluble.
Color	: White to off-white	**Partition coefficient n-octanol/water (Log Pow)**	: No data available
Odor	: Odorless		
Odor threshold	: No data available		
pH	: 1.5 – 2.5 (depending on dilution)	**Auto-ignition temperature**	: No data available
Melting point	: Not applicable		
Freezing point	: No data available	**Decomposition temperature**	: No data available
Boiling point	: No data available	**Viscosity, kinematic**	: No data available
Flash point	: Not flammable		
Relative evaporation rate (butyl acetate=1)	: No data available	**Viscosity, dynamic**	: No data available
		Explosion limits	: No data available
Flammability	: Not applicable.		
Vapor pressure	: No data available	**Explosive properties**	: None.
Relative vapor density at 20°C	: No data available	**Oxidizing properties**	: None.
Relative density	: 0.85 – 0.95		

No additional information available

10. Stability and reactivity

Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: No dangerous reactions known under normal conditions of use.

Conditions to avoid: None known.

Incompatible materials : Strong oxidizers. Strong bases. Ammonia.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Inhalation: May cause minor irritation to the respiratory tract and to other mucous membranes.

Skin: May cause slight irritation to the skin.

Eyes: Serious damage to eyes.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic symptoms: None known.

Carcinogenicity:	Not classified
Oxalic Acid Dihydrate:	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
Non-Hazardous Ingredients:	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts:	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
sodium carbonate:	This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
Germ cell mutagenicity:	Not classified
Reproductive toxicity:	Not classified

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

Numerical measures of toxicity:

The following are the toxicity values for the components:

Oxalic Acid Dihydrate	375 mg/kg LD50 oral rat; 20000 mg/kg bodyweight LD50 dermal rabbit
Non-Hazardous Ingredients	No data available
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	500 mg/kg Converted acute toxicity point estimate LD50 oral
sodium carbonate	2800 mg/kg LD50 oral rat; > 2000 mg/kg LD50 dermal rabbit

Skin corrosion/irritation	Not classified pH: 1.5 – 2.5 (depending on dilution)
Serious eye damage/irritation	Causes serious eye damage. pH: 1.5 – 2.5 (depending on dilution)
Respiratory or skin sensitization	Not classified
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified

12. Ecological information

Ecology - general: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Ecotoxicity:

Oxalic Acid Dihydrate	162.2 mg/l Test organisms (species): Daphnia magna EC50 - Crustacea [1]
sodium carbonate	300 mg/l Lepomis macrochirus (Bluegill) LC50 - Fish [1]; mg/l Min: 200 Max: 227 Ceriodaphnia dubia EC50 - Crustacea [1]; mg/l Min: 200 Max: 227 Test organisms (species): Ceriodaphnia sp. EC50 - Crustacea [2]

Persistence and degradability: No data available
sodium carbonate: Biodegradation is not applicable to inorganic compounds.
Bioaccumulative potential: No data available
sodium carbonate: LOG POW-6.19 Source: Quantitative Structure Activity Relation;
Mobility in soil: No data available

Other adverse effects:

No data available

13. Disposal considerations

Regional legislation (waste): Dispose of in accordance with applicable federal, state, and local regulations.

14. Transport information

Department of Transportation (DOT)

Not regulated for transport

Transport by sea

Not regulated for transport

Air transport

Not regulated for transport

15. Regulatory information

SARA Section 313 - Emission Reporting: This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

CERCLA Section 103:

This product is not subject to reporting under CERLCA. However, many states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA 302:

Not applicable

SARA Section 311/312 Hazard Classes: Refer to Section 2 for OSHA Hazard Classification.

California Proposition 65:

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

TSCA: All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

INTERNATIONAL INVENTORIES

Canada DSL: All the components are listed.

California SB258 Disclosure

CAS#	Ingredient Name	Function	California List/Website Active Link Reference
65997-17-3	Glass Oxide	Abrasive	No
6153-56-6	Oxalic Acid	Rust Remover	No
497-19-8	Sodium Carbonate	Abrasive	No
68081-81-2	Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	Surfactant	No

16. Other information

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NOTICE

The information presented herein is based on available data from reliable sources and is correct to the best of Bar Keeper's Friend, Inc.'s knowledge. Bar Keeper's Friend, Inc. makes no warranty, express nor implied, regarding the accuracy of the data or the results obtained from the use of this product. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. Bar Keeper's Friend, Inc. disclaims all liability for injury or damage stemming from any improper use of the material or product described herein.