

1. Identification

Product name: Bar Keepers Friend Coffee Maker Descaler
Restrictions on use: None known
Supplier: Servaas Laboratories, 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)
Issue date: 12/24/2023

2. Hazard(s) identification

Classification:

Physical hazards	Health hazards	Environmental hazards
Not classified	Skin corrosion/irritation Category 1 Serious eye damage Category 1	Not classified

GHS US labeling:

Danger!



CONTAINS:

Hazard statements (GHS US)	Precautionary statements (GHS US)
H314 - Causes severe skin burns and eye damage	P260 - Do not breathe mist. P264 - Wash hands thoroughly after handling. P280 - Wear eye protection, protective gloves. P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting. P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P363 - Wash contaminated clothing before reuse. P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing. P310 - Immediately call a POISON CENTER or

doctor/physician.
 P405 - Store locked up.
 P501 - Dispose of contents/container to an approved waste disposal plant.

3: Composition/Information on ingredients

Component	CAS-No.	Amount (%)
Citric acid	77-92-9	5 – 10
Glycolic acid	79-14-1	1 – 5
Sulfamic Acid	5329-14-6	1 – 5

Comments : *Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

4. First-aid measures

Inhalation: Move the affected person to fresh air. Get immediate medical advice/attention.

Skin: Immediately flush skin with plenty of water for at least 15 minutes. Remove clothing while washing. Get medical advice if skin irritation persists.

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. Immediately call a poison center or doctor/physician.

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

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. Thermal decomposition generates: Carbon oxides (CO, CO₂). Sulfur oxides (SO_x).

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 any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Liquid spill: neutralize with powdered limestone or sodium bicarbonate. Take up liquid spill into absorbent material. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

7. Handling and storage

Precautions for safe handling: Wear personal protective equipment. Do not get in eyes, on skin, or on 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. Keep out of the reach of children.

8. Exposure controls/personal protection

Exposure guidelines:	
Glycolic acid	None established.
Citric acid	None established.
Sulfamic Acid	None established.

Appropriate engineering controls: No particular/specific measures required.

Environmental exposure controls: Avoid release to the environment.

Personal protective equipment:

Hand protection: Wear impervious gloves.

Eye protection: Chemical goggles

Skin and body protection: Wear suitable protective clothing

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: Clear. Liquid.

Physical state	: Liquid	Solubility	: Soluble in water.
Color	: Clear to light yellow	Partition coefficient n-octanol/water (Log Pow)	: No data available
Odor	: Characteristic	Auto-ignition temperature	: No data available
Odor threshold	: No data available	Decomposition temperature	: No data available
pH	: 0.64 (acid reserve 6.41)	Viscosity, kinematic	: No data available
Melting point	: Not applicable	Viscosity, dynamic	: No data available
Freezing point	: No data available	Explosion limits	: No data available
Boiling point	: No data available	Explosive properties	: None.
Flash point	: Not flammable	Oxidizing properties	: None.
Relative evaporation rate (butyl acetate=1)	: No data available		
Flammability	: Not applicable.		
Vapor pressure	: No data available		
Relative vapor density at 20°C	: No data available		
Relative density	: 1.076		

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.

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

11. Toxicological information

Inhalation: May cause respiratory irritation.

Skin: May cause burns.

Eyes: Serious damage to eyes.

Ingestion: Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic symptoms: None known.

Carcinogenicity: Not classified

Glycolic acid: This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.

Citric acid: This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.

Sulfamic Acid: 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:

Glycolic acid 2040 mg/kg bodyweight LD50 oral rat; 3.6 mg/l/4h Source: ECHA Registered substances LC50 Inhalation - Rat (Dust/Mist)

Citric acid 5400 mg/kg bodyweight Animal: mouse, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 4500 - 6400 LD50 oral; > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) LD50 dermal rat

Sulfamic Acid 2140 mg/kg bodyweight Animal: rat, Animal sex: female LD50 oral rat; > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) LD50 dermal rat

Skin corrosion/irritation Causes severe skin burns.

pH: 0.64 (acid reserve 6.41)

Serious eye damage/irritation Causes serious eye damage.

pH: 0.64 (acid reserve 6.41)

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: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Ecotoxicity:

Glycolic acid	164 mg/l Test organisms (species): Pimephales promelas LC50 - Fish [1]; 141 mg/l Test organisms (species): Daphnia magna EC50 - Crustacea [1]
Sulfamic Acid	70.3 mg/l Test organisms (species): Pimephales promelas LC50 - Fish [1]; 71.6 mg/l Test organisms (species): Daphnia magna EC50 - Crustacea [1]; 48 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) EC50 72h - Algae [1]; 19 mg/l Test organisms (species): Daphnia magna Duration: '21 d' NOEC (chronic); ≥ 60 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '34 d' NOEC chronic fish; 18 mg/l NOEC chronic algae

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Glycolic acid: LOG POW-1.11 National Institute of Technology and Evaluation;

Mobility in soil: No data available

Other adverse effects:

No data available

13. Disposal considerations

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

14. Transport information

Department of Transportation (DOT)

Proper Shipping Name (DOT) : Corrosive liquid, acidic, organic, n.o.s. (CONTAINS : Glycolic acid)

UN-No.(DOT) : UN3265

Class (DOT) : 8

Packing group (DOT) : III

Hazard labels (DOT) : Corrosive

Transport by sea

Proper Shipping Name (IMDG) : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (CONTAINS : Glycolic acid)

UN-No. (IMDG) : 3265

Class (IMDG) : 8

Packing group (IMDG) : III

Air transport

Proper Shipping Name (IATA) : Corrosive liquid, acidic, organic, n.o.s. (CONTAINS : Glycolic acid)
UN-No. (IATA) : 3265
Class (IATA) : 8
Packing group (IATA) : III

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 CERCLA. 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.

California SB258 Disclosure

CAS#	Ingredient Name	Function	California List/Website Active Link Reference
7732-18-5	Water	Solvent	No
77-92-9	Citric acid	Descaler	No
79-14-1	Glycolic acid	Descaler	No
5329-14-6	Sulfamic Acid	Descaler	No

INTERNATIONAL INVENTORIES

Australia AICS: All the components are listed
Canada DSL: All the components are listed.
China IECSC: All the components are listed.
Japan ENCS: All the components are listed
Korea KECL: All the components are listed.
New Zealand: All the components are listed.
Philippines PICCS: All the components are listed.

Taiwan CSNN All the components are listed.

16. Other information

Issue date : 12/24/2023
Supersedes : 02/24/2020

NOTICE

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