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Revision Number 3

SECTION I - IDENTIFICATION**Product identifier****Product Name:** Bar Keepers Friend Coffee Maker Carafe & Thermos Cleaner**Other means of identification****Product Codes(s):** 1424181**Recommended use of the chemical and restrictions on use****Recommended use:** General Purpose Cleaner - Non-aerosol**Restrictions on use:** No information available**Details of the supplier of the safety data sheet****Supplier Name:** SerVaas Laboratories, Inc
5240 Walt Place
Indianapolis, IN 46254-5795
USA**Company Telephone Number:** 1-800-433-5818 (for USA callers)
1-317-636-7760 (for non-USA callers)**Email:** sison@barkeepersfriend.com**Emergency Phone Number:** 1-800-424-9300 (CHEMTREC)**SECTION 2 - HAZARDS IDENTIFICATION**

Classification:	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 1

Appearance: Clear to slightly cloudy**Physical state:** Liquid**Odor:** Characteristic**GHS Label elements, including precautionary statements****Danger****Hazard statements:** Causes skin irritation. Causes serious eye damage.**Precautionary Statements****- Prevention:**

Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/eye protection/face protection.

Precautionary Statements**- Response:**

Specific treatment (see supplemental first aid instructions on this label).

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Skin IF ON SKIN: Wash with plenty of water and soap. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

Other information

- Unknown acute toxicity:**
- 6 % of the mixture consists of ingredient(s) of unknown toxicity.
 - 0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
 - 6 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
 - 6 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
 - 6 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
 - 6 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

SECTION 3 - COMPOSITION / INFORMATION ON THE INGREDIENTS

Substance: Not applicable

Mixture:

Chemical name	CAS No	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Sodium metasilicate	6834-92-0	3	-	-
Supplier Trade Secret	-	0 - 10%	-	-

SECTION 4 - FIRST AID MEASURES

General advice: Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Inhalation: Remove to fresh air. Get medical attention immediately if symptoms occur.

Eye contact: Get immediate medical advice/attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.

Skin contact: Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

Ingestion: Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

Self-protection of the first aider: Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Symptoms: Burning sensation.

Indication of any immediate medical attention and special treatment needed

Note to physicians: Treat symptomatically.

SECTION 5 - FIREFIGHTING MEASURES

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical: No information available.

Hazardous Combustion Products: Carbon oxides.

Explosion Data:

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: None

Special protective equipment and precautions for fire-fighters: Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Personal precautions: Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required.

Other Information: Refer to protective measures listed in Sections 7 and 8.

Methods and materials for containment and cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Limits:

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH	
Supplier Trade Secret	TWA: 10 mg/m ³ mist	TWA: 15 mg/m ³ mist, total particulate TWA: 5 mg/m ³ mist, respirable fraction (vacated) TWA: 10 mg/m ³ mist, total particulate (vacated) TWA: 5 mg/m ³ mist, respirable fraction		
Chemical name	Alberta	British Columbia	Ontario TWAEV	Quebec
Supplier Trade Secret	TWA: 10 mg/m ³	TWA: 10 mg/m ³ TWA: 3 mg/m ³		TWA: 10 mg/m ³

Other Exposure Guidelines: Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering controls: Showers. Eyewash stations. Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection:	Tight sealing safety goggles.
Hand protection:	Wear suitable gloves. Impervious gloves.
Skin and body protection:	Wear suitable protective clothing. Long sleeved clothing.
Respiratory protection:	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations:	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid	
Appearance:	Clear to slightly cloudy	
Odor:	Characteristic	
Color:	No information available	
Odor threshold:	Not applicable	
Property	Values	Rmarks Method
pH:	11	
Melting / freezing point:	No data available	None known
Boiling point / boiling range:	No data available	None known
Flash Point:	No data available	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas):	No data available	None known
Flammability Limit in Air:		None known
Upper flammability limit:	No data available	

Lower flammability limit:	No data available	
Vapor pressure:	No data available	None known
Vapor density:	No data available	None known
Relative density:	1.040	
Water Solubility:	Completely soluble	
Solubility(ies):	No data available	None known
Partition coefficient:		
n-octanol/water:	Not applicable	
Autoignition temperature:	No data available	None known
Decomposition temperature:	No data available	None known
Kinematic viscosity:	No data available	None known
Dynamic viscosity:	No data available	None known

Other Information

Explosive properties:	No information available
Oxidizing properties:	No information available
Softening Point:	No information available
Molecular Weight:	No information available
VOC Content (%):	No information available
Liquid Density:	No information available
Bulk Density:	No information available
Particle Size:	No information available
Particle Size Distribution:	No information available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity:	No information available
Chemical stability:	Stable under normal conditions
Possibility of Hazardous Reactions:	None under normal processing.
Hazardous Polymerization:	Hazardous polymerization does not occur.
Conditions to avoid:	None known based on information supplied.
Incompatible materials:	Strong acids. Strong bases. Strong oxidizing agents.
Hazardous Decomposition Products:	Carbon oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

Inhalation:	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye Contact:	Specific test data for the substance or mixture is not available. Causes serious eye damage. (based on components). Severely irritating to eyes. May cause burns. May cause irreversible damage to eyes.
Skin Contact:	Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).

Ingestion: Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Information on toxicological effects

Symptoms: Redness. Burning. May cause blindness. May cause redness and tearing of the eyes.

Numerical measures of toxicity

Acute Toxicity: The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral) 35,211.00 mg/kg

Unknown acute toxicity : 6 % of the mixture consists of ingredient(s) of unknown toxicity
 0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
 6 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
 6 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
 6 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
 6 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information :

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium metasilicate	= 1153 mg/kg (Rat)	-	-
Supplier Trade Secret	= 12600 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 570 mg/m ³ (Rat) 1 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation: Classification based on data available for ingredients. Irritating to skin.

Serious eye damage/eye irritation: Classification based on data available for ingredients. Causes burns. Risk of serious damage to eyes.

Respiratory or skin sensitization: No information available.

Germ cell mutagenicity: No information available.

Carcinogenicity: No information available.

Reproductive toxicity: No information available.

STOT - single exposure: No information available.

STOT - repeated exposure: No information available.

Aspiration hazard: No information available.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: The environmental impact of this product has not been fully investigated.

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Sodium metasilicate	-	96h LC50: = 210 mg/L (Brachydanio rerio)	-	96h EC50: = 216 mg/L
Supplier Trade Secret	-	96h LC50: 51 - 57 mL/L (Oncorhynchus mykiss)	-	24h EC50: > 500 mg/L

Persistence and Degradability: No information available.

Chemical name**Log Pow**

Supplier Trade Secret

-1.76

Mobility: No information available.

Other adverse effects: No information available.

SECTION 13 - DISPOSAL CONSIDERATIONS**Waste treatment methods**

Waste from residues/unused products

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging: Do not reuse empty containers.

SECTION 14 - TRANSPORT INFORMATION

DOT NOT REGULATED

Proper Shipping Name NON REGULATED

Hazard Class N/A

TDG NOT REGULATED

MEX NOT REGULATED

ICAO NOT REGULATED

IATA NOT REGULATED

Proper Shipping Name NON REGULATED.

Hazard Class N/A

IMDG/IMO N/A

Hazard Class NOT REGULATED

RID NOT REGULATED

ADR NOT REGULATED

ADN NOT REGULATED

SECTION 15 - REGULATORY INFORMATION**Safety, health and environmental regulations/legislation specific for the substance or mixture****International Regulations**

Ozone-depleting substances (ODS): Not applicable

Persistent Organic Pollutants: Not applicable

Export Notification requirements: Not applicable

International Inventories: TSCA Contact supplier for inventory compliance status.

DSL/NDSL Contact supplier for inventory compliance status.

EINECS/ELINCS Contact supplier for inventory compliance status.

ENCS Contact supplier for inventory compliance status.

KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AICS	Contact supplier for inventory compliance status.

Legend**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances **ENCS** - Japan Existing and New Chemical Substances**KECL** - Korean Existing and Evaluated Chemical Substances**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**AICS** - Australian Inventory of Chemical Substances**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations**California Proposition 65:**

This product does not contain any Proposition 65 chemicals.

California SB-258 Compliance:

CAS#	Ingredient Name	Function	California List/Website Active Link Reference
7732-18-5	Water	Ingredient Coupler	No
6834-92-0	Sodium Metasilicate	Alkalizing Agent	No
56-81-5	Glycerin	Coupling Agent	No
9003-04-7	Acrylic Polymer	Dispersant	No
68439-46-3	Alcohol Ethoxylates	Surfactant	No

U.S. State Right-to-Know Regulations:

Chemical name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Supplier Trade Secret	X	X	X	X	

SECTION 16 - OTHER INFORMATION

NFPA RATING	Health hazards = 3	Flammability = 0	Instability = 0	Physical and Chemical Properties - Personal Protection = X
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HMIS RATING	Health hazards = 3	Flammability = 0	Physical Hazards = 0
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Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text