

SAFETY DATA SHEET (SDS)

Revision Number 2
 Issuing Date 22-Nov-2017
 Revision Date 26-Feb-2020
 NGHS / English



SECTION 1 - IDENTIFICATION

Product identifier

Product Name Bar Keepers Friend Soft Cleanser

Other means of identification

Product Code 1034823

Recommended use of the chemical and restrictions on use

Recommended Use General Purpose Cleaner - Non-aerosols.

Restrictions On Use Do Not Use On Cast Iron, Granite, Marble, Wood, Fabric, Leather, Painted Surfaces, Mirrors, Gold, Or Silver (Sterling Silver Is Ok).

Details of the supplier of the safety data sheet

Supplier Identification: Servaas Laboratories

Address 5240 Walt Place
 Indianapolis, In 46254
 United States

Telephone Phone: 800-433-5818
 Fax: 317-264-2192

E-mail sison@barkeepersfriend.com

Emergency Phone Number (Chemtrec): 1-800-424-9300

Company Emergency Phone Number 1-800-433-5818 (For Usa Callers)
 1-317-636-7760 (For Non-usa Callers)

SECTION 2 - HAZARDS IDENTIFICATION

Classification	Skin corrosion/irritation	Category 1
	Serious eye damage/eye irritation	Category 1
	Specific target organ toxicity (single exposur)	Category 3

Appearance White to off-white

Physical state Cream Liquid

Odor Citrus

GHS Label elements, including precautionary statements

Hazard statements: **Danger**
 Causes severe skin burns and eye damage.
 May cause respiratory irritation.



Precautionary Statements**- Prevention**

Do not breathe dusts or mists.
 Wash face, hands and any exposed skin thoroughly after handling.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Use only outdoors or in a well-ventilated area.

Precautionary Statements**- Response**

Immediately call a POISON CENTER or doctor.
 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 (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse.

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 Immediately call a POISON CENTER or doctor.

Ingestion

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

Precautionary Statements**- Storage**

Store locked up.
 Store in a well-ventilated place. Keep container tightly closed.

Precautionary Statements**- Disposal**

Dispose of contents/container to an approved waste disposal plant.

Other information**Unknown Acute toxicity**

36.97 % of the mixture consists of ingredient(s) of unknown toxicity.
 32.91 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
 35.27 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
 36.97 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
 36.97 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).
 36.97 % 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)
Supplier Trade Secret	-	30–40%	-	-
Alcohols, C9-11, ethoxylated	68439-46-3	2.36	-	-
Oxalic acid	144-62-7	1.7	-	-
Supplier Trade Secret	-	0–10%	-	-

SECTION 4 - FIRST AID MEASURES

Description of 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. If breathing has stopped, give artificial respiration. Get medical attention immediately. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur. Get immediate medical advice/attention.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get immediate medical advice/attention.
Ingestion	Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.
Self-protection of the first aider	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Symptoms	Burning sensation.
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Indication of any immediate medical attention and special treatment needed

Note to physicians	Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure.
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SECTION 5 - FIREFIGHTING MEASURES

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.
Specific hazards arising from the chemical	The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors.
Hazardous Combustion Products	Carbon oxides.
Explosion Data	
Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

Special protective equipment 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**

Attention! Corrosive material. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Other Information

Refer to protective measures listed in Sections 7 and 8.

Methods and material 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. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Avoid breathing vapors or mists.

Conditions for safe storage, including any incompatibilities**Storage Conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Store locked up. Keep out of the reach of children. Store away from other materials.

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 (inhal) 3 mg/m ³ (resp) PNOG	TWA: 5 mg/m ³ (resp) 15 mg/m ³ (total) PNOG	
Oxalic acid 144-62-7	STEL: 2 mg/m ³ TWA: 1 mg/m ³	TWA: 1 mg/m ³ (vacated) TWA: 1 mg/m ³ (vacated) STEL: 2 mg/m ³	IDLH: 500 mg/m ³ TWA: 1 mg/m ³ STEL: 2 mg/m ³
Supplier Trade Secret	TWA: 1 mg/m ³ respirable particulate matter		

Chemical name	Alberta	British Columbia	Ontario TWAEV	Quebec
Oxalic acid	TWA: 1 mg/m ³	TWA: 1 mg/m ³	TWA: 1 mg/m ³	TWA: 1 mg/m ³
144-62-7	STEL: 2 mg/m ³	STEL: 2 mg/m ³	STEL: 2 mg/m ³	STEL: 2 mg/m ³
Supplier Trade Secret		TWA: 1.0 mg/m ³	TWA: 1 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). See section 15 for national exposure control parameters.

Appropriate engineering controls

Engineering controls Showers.
Eyewash stations.
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Face protection shield.

Hand protection Wear suitable gloves. Impervious gloves

Skin and body protection Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.

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. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state Cream; Liquid
Appearance White to off-white
Odor Citrus
Color No information available
Odor Threshold Not applicable

Property	Values	Remarks Method
pH	2	
Melting / freezing point	No data available	None known
Boiling point / boiling range	100 °C / 212 °F	
Flash Point	5001 °C / 9034 °F	
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	1.25	
Water Solubility	Mostly soluble	
Solubility(ies)	No data available	None known
Partition coefficient: n-octanol/water	0	
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	Exposure to air or moisture over prolonged periods.
Incompatible materials	Acids. Bases. Oxidizing agent.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available. Corrosive by inhalation. (based on components). Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary
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edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Inhaled corrosive substances can lead to a toxic edema of the lungs. Pulmonary edema can be fatal.

Eye contact

Specific test data for the substance or mixture is not available. Causes burns. (based on components). Corrosive to the eyes and may cause severe damage including blindness. Causes serious eye damage. May cause irreversible damage to eyes.

Skin contact

Specific test data for the substance or mixture is not available. Corrosive. (based on components). Causes burns.

Ingestion

Specific test data for the substance or mixture is not available. Causes burns. (based on components). Ingestion causes burns of the upper digestive and respiratory tracts. May cause severe burning pain in the mouth and stomach with vomiting and diarrhea of dark blood. Blood pressure may decrease. Brownish or yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of breath and choking. May cause lung damage if swallowed. May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics**Symptoms**

Redness. Burning. May cause blindness. Coughing and/ or wheezing.

Numerical measures of toxicity**Acute Toxicity**

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

ATEmix (oral) 10,741.30 mg/kg

ATEmix (dermal) 41,884.10 mg/kg

Unknown acute toxicity

36.97 % of the mixture consists of ingredient(s) of unknown toxicity

32.91 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

35.27 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

36.97 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

36.97 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

36.97 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Alcohols, C9-11, ethoxylated	= 1400 mg/kg (Rat) = 1378	> 2 g/kg (Rabbit)	-
Oxalic acid	= 375 mg/kg (Rat)	= 20000 mg/kg (Rat)	
Supplier Trade Secret	> 5000 mg/kg (Rat)	-	-

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. Causes burns.

Serious eye damage/eye irritation

Classification based on data available for ingredients. Risk of serious damage to eyes. Causes burns.

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 May cause respiratory irritation.

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 Maga (Water Flea)
Oxalic acid	-	24h LC50: = 4000 mg/L (Lepomis macrochirus)	-	48h EC50: 125 - 150 mg/L
Supplier Trade Secret	-	96h LC50: 8.0 - 19.0 g/L (Salmo gairdneri) 96h LC50: = 19000 mg/L (Oncorhynchus mykiss)	-	-

Persistence and Degradability No information available.

Bioaccumulation

Component Information

Chemical name

Log Pow

Oxalic acid

-0.81

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.

US EPA Waste Number

D002

California Waste Codes

791

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical name	California Hazardous Waste
Supplier Trade Secret	Toxic soluble
Oxalic acid 144-62-7	Toxic

SECTION 14 - TRANSPORT INFORMATION

DOT

Proper Shipping Name	CONSUMER COMMODITY
Hazard Class	ORM-D
Description	CONSUMER COMMODITY, ORM-D
Emergency Response Guide Number	153

TDG

UN-No.	UN3265
Proper Shipping Name	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
Hazard Class	8
Packing Group	II
Description	UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (FELDSPAR, OXALIC ACID), 8, II

MEX

UN-No.	UN3265
Proper Shipping Name	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
Hazard Class	8
Packing Group	II
Description	UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (FELDSPAR, OXALIC ACID), 8, II

ICAO

UN-No.	UN3265
Proper Shipping Name	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
Hazard Class	8
Packing Group	II
Description	UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (FELDSPAR, OXALIC ACID), 8, II

IATA

UN-No.	UN3265
Proper Shipping Name	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
Hazard Class	8
Packing Group	II
ERG Code	8L
Description	UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (FELDSPAR, OXALIC ACID), 8, II

IMDG/IMO

UN-No.	UN3265
Proper Shipping Name	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
Hazard Class	8
Packing Group	II
EmS-No	F-A, S-B
Description	UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (FELDSPAR, OXALIC ACID), 8, II

RID

UN-No.	UN3265
Proper Shipping Name	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
Hazard Class	8
Packing Group	II
Classification Code	C3
Description	UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (FELDSPAR, OXALIC ACID), 8, II
ADR/RID-Labels	8

ADR

UN-No.	UN3265
Proper Shipping Name	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
Hazard Class	8
Packing Group	II
Classification Code	C3
Tunnel Restriction Code	(E)
Description	UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (FELDSPAR, OXALIC ACID), 8, II

ADN

UN-No.	UN3265
Proper Shipping Name	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
Hazard Class	8
Packing Group	II
Classification Code	C3
Special Provisions	274
Description	UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (FELDSPAR, OXALIC ACID), 8, II
Hazard Labels	8
Limited Quantity	1 L

SECTION 15 - REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture**International Regulations**

- The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable
- The Stockholm Convention on Persistent Organic Pollutants** Not applicable
- The Rotterdam Convention** Not applicable

International Inventories

TSCA	Contact supplier for inventory compliance status.
DSL/NDL	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/NDL** - 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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	CAS No	Weight-%	SARA 313 - Threshold
Supplier Trade Secret		30 - 40%	1.0

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
65997-17-3	Glass Oxide	Abrasive	No
68439-46-3	Alcohol Ethoxylates	Surfactant	No
6153-56-6	Oxalic Acid	Rust Remover	No

1302-78-9	Smectite Clay	Thickening Agent	No
9003-04-7	Acrylic Polymer	Dispersant	No
77-92-9	Citric Acid	Descaler	No
11138-66-2	Xanthan Gum	Thickening Agent	No
9005-64-5	Polysorbate 20	Fragrance Ingredient	No
8008-57-9	Citrus Aurantium Dulcis Peel	Fragrance Ingredient	No
8008-56-8	Citrus Limon Peel	Fragrance Ingredient	No

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Supplier Trade Secret	X		X	X	
Oxalic acid 144-62-7	X	X	X		

SECTION 16 - OTHER INFORMATION

NFPA Health Hazards: 3 Flammability: 0 Instability: 0 Physical and Chemical Properties - Personal Protection X

HMIS Health Hazards: 3 Flammability: 0 Physical Hazards: 0

Prepared by Product Stewardship
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Latham, NY 12110
1-800-572-6501

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Revision Note No information available

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