Safety Data Sheet

Section 1. Identification

Product Name: Liquid BFK Soft Cleaner

Supplier Name: **Servaas Laboratories**
Address: **5240 Walt Place**
Indianapolis, IN 46254

Telephone number **1-800-433-5818 (for USA callers)**
1-317-636-7760 (non-USA callers)

Emergency phone number: **1-800-424-9300 (CHEMTREC)**

Recommended use: Household Cleaner
Restrictions on use: None known

Date of Preparation: January 10, 2022

Section 2. Hazard(s) Identification

Note: This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The actual container label will not include the label elements below. The labeling below applies to industrial/professional products.

Classification:

Physical	Health
Not Hazardous	Eye Damage Category 1 Skin Irritation Category 2 Skin Sensitization Category 1

Danger!

Hazard statement(s)
Causes skin irritation.
Causes serious eye damage.
May cause an allergic skin reaction

Precautionary Phrases
Response
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical attention.
Wash contaminated clothing before reuse.
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.

Prevention
Avoid breathing dusts or mists.
Wash thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves, protective clothing, eye protection and face protection.
Disposal
Dispose of contents and container in accordance with local and national regulations.

Section 3. Composition / Information on Ingredients

Chemical name	CAS No.	Percent
Alcohols, C9-11, ethoxylated	68439-46-3	5-10
Oxalic Acid Dihydrate	6153-56-6	1-5
Glycerin	56-81-5	1-5
Alkyl(C10-16) benzenesulfonic acid	68584-22-5	1-<3
Fragrance	Proprietary	0.1-1
Non-Hazardous Ingredients	Mixture	Balance

The specific identity and/or exact concentration has been withheld as a trade secret.

Section 4. First-Aid Measures

Inhalation: None required under normal use conditions. If mists are generated, move to fresh air. If breathing is difficult or symptoms occur seek medical attention.
Skin contact: Remove contaminated clothing. Flush skin with water for several minutes. If skin irritation or rash occurs: Get medical attention. Launder clothing before reuse.
Eye contact: Immediately flush eye with water for at least 20 minutes while lifting the upper and lower lids. Remove contact lenses if present and easy to do after the first 5 minutes then continue flushing. Get immediate medical attention.
Ingestion: If conscious, rinse mouth with water. Do not induce vomiting. Never give anything by mouth to a person who is unconscious or convulsing. Seek medical attention.

Most important symptoms/effects, acute and delayed: Causes severe irritation to eyes. Permanent eye damage may occur. Causes skin irritation. May cause an allergic skin reaction. Ingestion may cause irritation to the mouth, throat and stomach with nausea, vomiting and diarrhea.

Indication of immediate medical attention and special treatment, if necessary: Medical treatment may be required for eye contact.

Section 5. Fire-Fighting Measures

Suitable (and unsuitable) extinguishing media: Use any media that is suitable for the surrounding fire.

Specific hazards arising from the chemical: This material is not flammable. Oxalic acid may decompose producing carbon oxides and formic acid under fire conditions.

Special protective equipment and precautions for fire-fighters: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Cool fire exposure containers with water.

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing and equipment to prevent eye and skin contact. Ventilate the area. Evacuate spill area.

Environmental precautions: Avoid release to the environment. Report spill as required by local and federal regulations.

Methods and materials for containment and cleaning up: Wipe up small spills with a sponge or paper towel. Collect and contain large spills with an inert absorbent. Neutralize spill with sodium bicarbonate or other dilute alkaline material. Place into appropriate containers for disposal.

Section 7. Handling and Storage

Precautions for safe handling: Prevent eye contact. Avoid contact with skin and clothing. Use with protective equipment as described in section 8. Wash thoroughly after handling. Remove contaminated clothing and launder before reuse.

Empty containers retain product residues. Follow all SDS precautions in handling empty containers.

Conditions for safe storage, including any incompatibilities: Store in a cool, well-ventilated area. Keep in original containers. Protect containers from physical damage.

Section 8. Exposure Controls / Personal Protection

Exposure guidelines:

Alcohols, C9-11, ethoxylated	None Established
Oxalic Acid Dihydrate	1 mg/m^3 TWA OSHA PEL 1 mg/m^3 TWA, 3 mg/m^3 STEL ACGIH TLV
Glycerin	5 mg/m^3 TWA (respirable fraction), 15 mg/m^3 TWA (total dust) OSHA PEL
Alkyl(C10-16) benzenesulfonic acid	None Established
Fragrance	None Established

Appropriate engineering controls: Use in a well-ventilated area. For operations where exposures are excessive increased mechanical ventilation such as local exhaust may be required.

Personal Protective Equipment:
Respiratory protection: None required for normal use. For large jobs where exposures may be excessive an approved respirator with dust/mist cartridges may be required. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.
Skin protection: Impervious gloves such as rubber, neoprene or nitrile are recommended to prevent skin contact.
Eye protection: Wear chemical safety goggles to prevent contact.
Other: Wear impervious clothing as needed to avoid contact and contamination of personal clothing. An eye wash facility should be available in the immediate work area.

Section 9. Physical and Chemical Properties

Appearance (physical state, color, etc.): White to off-white dispersion
Odor: Citrus odor.

Odor threshold: Not available	**pH:** 1.0-1.5 (pH to 4.0 through acid reserve)
Melting point/freezing point: Not available	**Acid Reserve (g NaOH/100g Product):** 1.20
Flash point: Not applicable	**Initial boiling point and boiling range:** Not available
Flammability (solid, gas): Not applicable	**Evaporation rate:** Not available
Flammable limits: LEL: Not applicable	**UEL:** Not applicable
Vapor pressure: Not available	**Vapor density:** Not available
Relative density: 1.256	**Solubility(ies):** Partial
Partition coefficient: n-octanol/water: Not available	**Auto-ignition temperature:** Not available
Decomposition temperature: Not available	**VOC:** Not available
Viscosity (S2R30 @ 25C in 600mL low-form beaker): 1900 cps	

Section 10. Stability and Reactivity

Reactivity: Not reactive under normal conditions of use.
Chemical stability: Stable
Possibility of hazardous reactions: Reacts with bases generating heat.
Conditions to avoid: Avoid excessive heat.
Incompatible materials: Avoid oxidizing agents, alkaline solutions, ammonia. May attack some plastic.
Hazardous decomposition products: Thermal decomposition may produce carbon oxides and formic acid.

Section 11. Toxicological Information

Inhalation: None expected under normal use conditions.
Skin Contact: Causes skin irritation.
Eye Contact: May cause severe irritation or burns with redness, pain and swelling. Permanent damage may occur.
Ingestion: Swallowing may cause gastrointestinal irritation, nausea, vomiting and abdominal pain.
Chronic Effects: None known.
Sensitization: Proprietary fragrance contains component that may cause an allergic skin reaction.
Germ Cell Mutagenicity: None of the components have been shown to cause germ cell mutagenicity.
Reproductive Toxicity: None of the components have been shown to cause reproductive or developmental toxicity.
Carcinogenicity: None of the components present at 0.1% or greater are listed as a carcinogen by NTP, IARC, ACGIH or OSHA.
Acute toxicity values: Acute Toxicity Estimates (ATE) calculated: Oral >6,000 mg/kg, Dermal >2000 mg/kg.
Alcohols, C9-11, ethoxylated: Oral rat LD50 3488 mg/kg, Dermal rabbit LD50 >2000 mg/kg;
Inhalation rat LC50 >1.6 mg/L/4 hr (maximum attainable concentration).
Oxalic Acid Dihydrate: Oral rat LD50 375 mg/L, Dermal rabbit LD50 20,000 mg/kg;
Glycerin: Oral rat LD50 23,000 mg/kg, Inhalation rat LC50 >2.75 mg/L/4 hr,
Dermal guinea pig LD50 56,750 mg/kg.
Alkyl(C10-16) benzenesulfonic acid: Oral rat LD50 >5,000 mg/kg, Inhalation rat LC50 >1.9 mg/L/4 hr,
Dermal rabbit LD50 >5,000 mg/kg.
Fragrance: Not classified as acutely toxic.

Section 12. Ecological Information

Ecotoxicity values:
Alcohols, C9-11, ethoxylated: 96 hr LC50 Oncorhynchus mykiss 5-7 mg/L, 48 hr EC50 daphnia magna 2.5 mg/L, 72 hr EC50 Desmodesmus subspicatus 1.978 mg/L
Oxalic Acid Dihydrate: 48 hr LC50 Leuciscus idus melanotus 160 mg/L, 48 hr EC50 daphnia magna 162.2 mg/L, 72 hr EC50 Pseudokirchneriella subcapitata 20.58 mg/L
Glycerin: 96 hr LC50 Oncorhynchus mykiss 54,000 mg/L, 48 hr LC50 daphnia magna 1955 mg/L.
Alkyl(C10-16) benzenesulfonic acid: 96 hr LL50 Fresh water fish >1,000 mg/L,
48 hr EC50 daphnia magna >1,000 mg/L, 72 hr EC50 Pseudokirchneriella subcapitata >1,000 mg/L
Fragrance: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Persistence and degradability: Oxalic acid dihydrate, Alkyl(C10-16) benzenesulfonic acid, glycerin and Alcohols, C9-11, ethoxylated are readily biodegradable.
Bioaccumulative potential: Oxalic acid dihydrate has a BCF of <3. This suggests the potential for bioaccumulation is low.
Mobility in soil: Oxalic acid is highly mobile in soil.
Other adverse effects: None known.

Section 13. Disposal Considerations

Waste Disposal Recommendations: Dispose of in accordance with all local, regional, national, provincial, territorial and international regulations

Section 14. Transport Information

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT		Not Regulated			
IMDG		Not Regulated			

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None known

Section 15. Regulatory Information

Safety, health, and environmental regulations specific for the product in question.

CERCLA Hazardous Substances (Section 103)/RQ: This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.
Section 302 Extremely Hazardous Substances (TPQ): None
SARA Hazard Category (311/312): Refer to Section 2 for OSHA Hazard Classification
EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313: None
California Proposition 65: This product contains the following chemicals known to the State of California to cause cancer or reproductive toxicity:

Ethylene oxide	75-21-8	<0.006 ppm	Cancer, female reproductive toxicity, male reproductive toxicity, developmental
ethylene glycol	107-21-1	<3.06 ppm	developmental
Acetaldehyde	75-07-0	<0.001 ppm	cancer
Arsenic compounds		<0.027 ppm	Cancer, developmental
Lead compounds		<0.164 ppm	cancer
Myrcene	123-35-3	<14 ppm	Cancer, female reproductive toxicity, male reproductive toxicity, developmental
Sulfur dioxide	7446-09-5	<2.05 ppm	developmental

EPA TSCA Inventory: All of the components of this product are listed on the TSCA inventory.

Section 16. Other Information

NFPA RATING: Health = 3 Fire = 0 Instability = 0
HMIS RATING: Health = 3 Fire = 0 Physical Hazard = 0

SDS Revision History: New SDS
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Date of Previous Edition: New SDS

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