

# SAFETY DATA



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This product is packaged for retail sale and intended for consumer use. The U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) does not apply to "consumer products" as defined by the U.S. Consumer Product Safety Act and Federal Hazardous Substances Act, including consumer products used in the workplace under typical duration and frequency of exposure as experienced by consumers when used for the intended purpose. This Safety Data Sheet (SDS) is provided as a courtesy to assist with proper use and safe handling. Applicable consumer product use and safety information is provided on the product label and is included for easy reference in Section 16 of this SDS. This SDS is designed to cover both U.S. and Canada. Differences between U.S. and Canadian requirements are noted where applicable

## Section 1: Identification of Product and Company

<b>Product Name</b>	Soy Toilet Scrub
<b>Synonyms</b>	None
<b>Recommended Use</b>	General toilet cleaning
<b>Uses advised against</b>	Follow direction on product label.

<b>Manufacturer Name</b>	Bi-O-Kleen Industries, Inc. dba Biokleen
<b>Address</b>	PO Box 820689, Vancouver, WA 98665, USA
<b>Phone Number</b>	360-576-0064
<b>Fax</b>	360-576-0065
<b>Email address</b>	barry@biokleenhome.com

<b>Emergency Telephone Number</b>	InfoTrac 800-535-5053
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## Section 2: Hazard Identification

<b>Classification</b>	This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
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<b>Eye damage/eye irritation</b>	Category 2B
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<b>Signal Word</b>	Warning
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<b>Hazard Statements</b>	Causes eye irritation
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<b>Hazard Pictogram</b>	None
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<b>Precautionary Statement - General Household Products</b>	Keep Away from Children. If medical attention is needed, keep product label in hand. Read label before use
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<b>Precautionary Statement - Prevention</b>	Wash hands thoroughly after handling
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<b>Precautionary Statement - Response</b>	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to so. Continue rinsing. Seek medical attention if eye irritation persists
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<b>Precautionary Statement - Storage</b>
None

<b>Precautionary Statement - Disposal</b>
None

<b>Hazards not otherwise identified</b>
None

<b>Other Information</b>
Maybe harmful if swallowed
May cause mild skin irritation

<b>Interaction with other chemicals</b>
Not known

## Section 3: Composition, Information on Ingredients

Regardless of hazard classification, Biokleen lists all known ingredients and, known incidental ingredients  $\geq 0.5\%$  on the product label.

Ingredients	Function	CAS number	Concentration <sup>1</sup>	LD50 <sup>2</sup>
Water	diluent	7732-18-5	30% - 100%	Not applicable
Methyl Soyate	plant based solvent	67784-80-9	5% - 20%	17400 mg/Kg
Laureth 7	plant based cleaning agent	9002-92-0	5% - 20%	>1000 mg/Kg
Capryryl/Capryl Glucoside	plant derived cleaning agent	68515-73-1	5% - 20%	> 2000 mg/Kg
C10-C16 Alkyl Glucoside	plant based cleaning agent	110615-47-9	5% - 20%	> 5000 mg/Kg
Perlite	mineral based cleaning enhancer	93763-70-3	0% - 1%	not available
Sodium Silicate	mineral based cleaning enhancer	1344-09-8	1% - 5%	> 1960 mg/Kg
Xanthan Gum	plant-derived thickener	11138-66-2	0% - 1%	450000 mg/g
Zeolite	mineral derived binding agent	1318-02-1	1% -10%	>10000 mg/Kg
Natural Peppermint Oil	plant derived fragrance	mixture	0% - 1%	not available
Citrus Grandis(Grapefruit) Seed Extract	plant derived preservative	90045-43-5	0% - 0.05%	> 5000 mg/Kg
Glycerine	plant based foam stabilizer	56-81-5	0% - 1%	> 12600 mg/Kg

<sup>1</sup>The exact concentrations have been withheld as a trade secret.

<sup>2</sup>LD50 Acute oral toxicity (rat) values are provided by ingredient suppliers or scientific literature and is not generated by Biokleen. Biokleen does not test on animals to generate LD50 data.

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## Section 4: First Aid Measures

<b>Eye Contact</b>	Rinse with plenty of water immediately. Wash under eyelids too. Do not rub affected area. Seek medical attention with irritation persists.
<b>Skin Contact</b>	Rinse off immediately with plenty of water. Seek medical attention if irritation persists.
<b>Inhalation</b>	No need for first aid. Get medical attention immediately if symptoms occur.
<b>Ingestion</b>	Rinse mouth immediately and drink 4-8 oz of water. Never give anything by mouth to an unconscious person. Call a physician if nausea or pain occurs.
<b>Notes to physician</b>	Treat symptomatically
<b>Most important symptoms and effects</b>	Burning sensation with acute exposure

## Section 5: Fire Fighting Measures

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstance and surrounding.
<b>Unsuitable Extinguishing Media</b>	Caution: Use of water spray may be insufficient.
<b>Specific Hazards arising from the chemical mixture</b>	Not available
<b>Explosion Data</b>	Not available
<b>Protective Equipment and Precautions for Firefighters</b>	As in any fire, wear self-contained breathing apparatus and full protective gear.

## Section 6: Accidental Release Measures

<b>Personal Precautions</b>	
<b>Industrial Setting</b>	Wear appropriate personal protective equipment (refer to Section 8).
<b>Environmental Precautions</b>	Avoid entry into lakes, streams, ponds or public waterways.
<b>Methods for Containment and Cleaning Up</b>	
<b>Household Setting</b>	Small spills and leaks may be cleaned up and disposed of in normal household trash or diluted and disposed of via sewer.
<b>Industrial Setting</b>	Before attempting clean up, refer to hazard data given. Material may be slippery if spilled and wet. Prevent spill from entering a waterway. Stop spill at source and contain material. Dispose liquid in accordance with all applicable local, state, and federal regulations. Small amounts may be flushed to sewer.

## Section 7: Handling and Storage

<b>Safe Handling</b>	
<b>Household Setting</b>	Use as directed on product label.
<b>Industrial Setting</b>	Wear appropriate personal protective equipment (refer to section 8).
<b>Safe Storage</b>	KEEP OUT OF REACH OF CHILDREN AND PETS. Store in original container and keep container closed when not in use. Avoid freezing.
<b>Storage Incompatibilities</b>	None known.

## Section 8: Exposure Controls, Personal Protection

<b>Exposure Limits</b>	None known.
<b>Engineering Controls</b>	Not applicable.
<b>Personal Protective Equipment (PPE)</b>	
<b>Household Setting</b>	No special precautions necessary as long as product is used as directed.
<b>Industrial Setting</b>	
<b>Respiratory Protection</b>	None required under normal conditions. General ventilation required.
<b>Eye Protection</b>	Goggles or other protective eye wear may be worn for protection.
<b>Skin Protection</b>	Gloves may be worn for protection.

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Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.
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## Section 9: Physical and Chemical Properties

Physical State	Liquid
Color	Light yellow
Clarity	Cloudy
Odor	Mint
Odor Threshold	Not available

pH	8.0 - 9.0
Melting Point	Not available.
Freezing Point	Not available.
Initial Boiling Point and Boiling Range	Not available.
Flash Point	Not available.
Evaporation Rate	Not available.
Upper Explosive Limit (UEL)	Not applicable.
Lower Explosive Limit (LEL)	Not applicable.
Vapor Pressure (mmHg)	Not available.
Specific Gravity (H <sub>2</sub> O = 1)	Not available.
Relative Density	Not available.
Vapor Density (Air = 1)	Not available.
Solubility in Water	Miscible
Partition Coefficient: n-octanol/water	Not available.
Viscosity	Not available.
VOC (weight %)	Not available.
Explosive Properties	Not available.
Decomposition temperature	Not available.

## Section 10: Stability and Reactivity

Reactivity	None known.
Chemical Stability	Stable under recommended storage conditions
Possibility of Hazardous Reactions	None under normal processing
Conditions to Avoid	Excessive heat.
Incompatible Materials	
Household Setting	In general, cleaning products should not be mixed with other household chemicals, unless specifically provided for in the use directions.
Industrial Setting	Strong Acid. Strong Oxidizing agent. Strong Bases.
Hazardous Decomposition Products	None known.

## Section 11: Toxicological Information

Potential Route(s) of Exposure	Eyes. Skin. Ingestion.
Effects of Acute Exposure	
Oral Toxicity	LD50 >5000 mg/kg, calculated based on ingredients.
Dermal Toxicity	Not available.
Inhalation Toxicity	Specific test data for the product is not available. May cause irritation of respiratory tract. Harmful if inhaled. (based on components).
Eye Contact	Mild irritant
Skin Contact	No specific data available. May cause irritation with prolonged contact.
Component Information	Refer to section 3 for ingredient LD50 (acute oral).
Effects of Chronic Exposure	No known effect based on ingredient information supplied.
Sensitization	May cause sensitization with prolonged contact.
Carcinogenicity	Contains no ingredients listed as a carcinogen
NTP	No Ingredients Listed

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OSHA	No Ingredients Listed
Reproductive Effects	No information available.
Teratogenicity	No information available.
Mutagenicity	No information available.
Target Organ Effects	No information available.

## Section 12: Ecological Information

Ecotoxicity	Not available.
Persistence and Degradability	Not available. Non - Inorganic compounds expected to biodegrade.
Bioaccumulative Potential	Not applicable.
Mobility in Soil	Not available.
Environmental Fate	No adverse effects expected.

## Section 13: Disposal Considerations

Product Waste	Any disposal must be in compliance with applicable local, state, provincial and federal laws and regulations.
Household Setting	Product residues in the bottle may be discarded in trash, or diluted with water and disposed via sewer. When used as directed, the product is septic-safe.
Industrial Setting	When disposed as waste in its original form, this product is not considered hazardous waste under Federal regulations (40 CFR 261), however regulations may vary by state or province and may designate it as hazardous waste. Check with your local waste and waste water authorities. We are aware of the following state waste classifications:
California Hazardous Waste Code	561
Connecticut Hazardous Waste Code	CT04
Michigan Liquid Waste Code	029L
Washington Hazardous Waste Code	WT02
Empty Packaging	Offer empty container for recycling. If recycling is not available, discard in trash. 

## Section 14: Transport Information

U.S. DOT	Not regulated.
U.S. States	See U.S. DOT for finished product classification for transport.
Waste	Regulated in some states if the product is disposed of in its original form as waste by commercial users/handlers. Refer to Section 13. for applicable state waste codes.
Canadian TDG (Surface Transport)	Not regulated.
IMDG (Marine Transport)	Not regulated.
IATA (Air Transport)	Not regulated.
MEX	Not regulated.
RID	Not regulated.
ADR	Not regulated.
AND	Not regulated.

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## Section 15: Regulatory Information

<b>U.S.</b>	
<b>Toxic Substances Control Act (TSCA)</b>	This product complies with the inventory requirements of the U.S. Toxic Substances Control Act (TSCA).
<b>California Prop 65</b>	This product is not subject to the labeling requirements of California's Proposition 65.
<b>California Air Resources Board (CARB)</b>	Not applicable.
<b>Section 313 of Title III of the Superfund Amendments and reauthorization Act of 1966. (SARA 313).</b>	This product does not have any ingredients which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372
<b>Clean Water Act (CWA)</b>	This product does not contain any ingredient regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

<b>Canada</b>	
<b>Domestic Substances List (DSL)</b>	This product complies with the inventory requirements under Canada's Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL) or is otherwise in compliance with the New Substances Notification (NSN) regulations or exemptions.
<b>WHMIS Hazard Class</b>	Not determined.
<b>Other</b>	Fragrances used in this product comply with applicable International Fragrance Association (IFRA) guidance.

<b>Right to Know</b>	Regardless of hazard classification, Biokleen discloses all intentionally added ingredients and, if applicable incidental ingredients $\geq 0.5\%$ on the product label. Please refer to Section 3. of this SDS for ingredient listing.
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## Section 16: Other Information

<b>Hazardous Materials Identification System (HMIS) Rating</b> <b>Legend: 4-Severe, 3-Serious, 2-Moderate, 1-Slight, 0-Minimal</b>	<b>HEALTH</b>	1
	<b>FLAMMABILITY</b>	0
	<b>PHYSICAL HAZARDS</b>	0
	<b>PERSONAL PROTECTION</b>	A

<b>National Fire Protection Association (NFPA) Rating</b>	Not Determined
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<b>Consumer Product Label Information</b>	
<b>HOW TO USE:</b> For toilet stains and odors apply directly to toilet bowl and under rim. Scrub lightly, then flush. No need to let sit. <b>KEEP OUT OF REACH OF CHILDREN.</b> If product gets into eyes, flush thoroughly with cool water for 15 minutes. If swallowed, do not induce vomiting, drink plenty of water to dilute.	

**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 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.

End of Safety Data Sheet