



Safety Data Sheet – 16 Sections

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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|---|---------------------------------|--------------------------------|----------------------|
| Product Identifier: Biokleen Laundry Soap | | Product Line: Household | |
| Product Use: Industrial/Institutional/Residential: Powder Laundry Detergent | | | |
| Manufacturer's Name: Bio-Kleen Products, Inc. | | Website: www.biokleen.com | |
| Street Address: 810 Lake Street | | Part Number: H12012,H12013 | |
| City: Kalamazoo | State: MI | | Product CAS: Mixture |
| Postal Code: 49001 | Contact Telephone: 269.567.9400 | | Fax: 269.388.5491 |
| MSDS Effective Date: 11/26/19 | | MSDS Supersedes Date: 02/01/14 | |

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredients (<i>specific</i>) | CAS Number |
|----------------------------------|-------------------------|
| Sodium Carbonate | CAS: 497-19-8/ 40-<50% |
| Sodium Tripoly Lite | CAS: 7758-29-4/ 30-<40% |
| disodium metasilicate | CAS: 6834-92-0/ 8-<10% |
| Nonionic Surfactant | Withheld/<5% |
| Natural Citrus Oil Extract | Withheld/<5% |
| Boosters and Optical Brighteners | Withheld/<1% |
| | |

If Chemical Name/CAS No is "proprietary" and /or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been "WITHHELD" as a trade secret.

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SECTION 3 — HAZARDS IDENTIFICATION

Hazards: Ingredients as mixture are not considered hazardous under the Federal Hazard Communication Standard (29CFR 1910.1200)

SECTION 4 — FIRST AID MEASURES

Skin Contact: If contact occurs, flush with water. If irritation persists, see a physician

Eye Contact: If contact occurs, flush with plenty of water, If irritation persists, see a physician

Inhalation: If contact occurs, move to fresh air, If irritation persists, see a physician.

Ingestion: Get immediate medical attention. Drink large quantities of milk or water. See a physician.

SECTION 5 — FIRE FIGHTING MEASURES

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| Flammable: YES NO XX | If Flammable, under which conditions? |
| Flashpoint (° C) and Method: None | Auto Ignition Temperature (°C): NA |
| Upper Flammable Limit (% by volume): NA | Lower Flammable Limit (% by volume): NA |
| Means of Extinction: NA | Hazardous Combustion Products: NA |
| Explosion Data — Sensitivity to Impact: NA | Explosion Data — Sensitivity to Static Discharge: NA |

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures: Ventilate area of leak or spill. Wear appropriate personal protective equipment. Small spills: Dilute and absorb. Large spills: Neutralize with soda ash or sodium bicarbonate.

SECTION 7 — HANDLING AND STORAGE

Handling Procedures and Equipment: Keep out of reach of children. Avoid contact with eyes, nose, mouth, and excessive skin contact.

Storage Requirements: Protect against physical damage. Observe all warnings and precautions listed for the product.



SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

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| Exposure Limits: TLV- None | OSHA PEL: None | Other (specify) |
| Specific Engineering Controls (such as ventilation, enclosed process): Ventilation recommended | | |
| Personal Protective Equipment: | | |
| Gloves X | Mask X | |
| Eye X | Footwear | |
| Clothing X | Other | |
| Respiratory Protection (specify type): Mask for sprayed mist. | | |
| Protective Gloves: Rubber: If prolong contact will occur. | | |
| Eye Protection: Goggles: If splashing could occur. | | |
| Other Protective Clothing or Equipment: Apron if needed | | |

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

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|------------------------------|---|---------------------------|
| Physical State: Granular | Appearance: White | Odor: Citrus |
| Specific Gravity:(H2O = 1)NA | Boiling Point: NA | Vapor Pressure (mmHg): NA |
| Evaporation Rate: 0% | Vapor Density (air = 1): NA | Freezing Point (° C): |
| pH: @1% w/water = 7.5 | Coefficient of Water/Oil Distribution: NA | Solubility in Water: 100% |

SECTION 10 — STABILITY AND REACTIVITY

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| Chemical Stability: YES XX NO | If not stable, under which conditions? |
| Incompatibility with Other Substances: YES XX NO | If incompatible, which substances? Strong Acids |
| Reactivity and under what conditions: NA | |
| Hazardous decomposition products: NA | |



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SECTION 11 — TOXICOLOGICAL INFORMATION

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| Chemical Listed as Carcinogen or Potential Carcinogen by NTP, IARC, or OSHA 1910(z) (specify): YES NO XX | |
| Effects of chronic exposure: No LD50 / LC50 information found relating to normal routes of occupational exposure. | |
| Irritancy of product : NA | |
| Skin sensitization: NA | Respiratory sensitization: NA |
| Carcinogenicity-IARC : None | NTP Carcinogenicity Anticipated : None |
| Reproductive toxicity: NA | Teratogenicity: NA |
| Embryo toxicity: NA | Mutagenicity: NA |

SECTION 12 — ECOLOGICAL INFORMATION

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| Aquatic Toxicity: This mixture is not expected to be toxic to aquatic life |
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SECTION 13 — DISPOSAL CONSIDERATIONS

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| Waste Disposal: Dispose of properly according to local and federal regulations. |
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SECTION 14 — TRANSPORT INFORMATION

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| Special Shipping Information: | | |
| IATA (Air) | YES | NO XX |
| IMO (Water) | YES | NO XX |
| DOT (Land) | YES | NO XX |



SECTION 15 — REGULATORY INFORMATION

| | | | |
|---|-----------------|----------------|-------------------|
| Sara 302 RQ: NO | TPQ: NO | Sara 313: NO | Chemical Catg: NO |
| CERCLA: NO | TCRA 261.33: NO | TSCA 8 (d): NO | |
| California Proposition 65: No California proposition 65 listed chemicals are known to be present. | | | |
| All ingredients are either listed on the TSCA & DSL inventory or are exempt | | | |

SECTION 16 — OTHER INFORMATION

The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of Bio-Kleen Products, Inc. we will not be responsible for loss, injury or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.