1 Identification

- **Product identifier**
  - Trade name: Sal Suds Biodegradable Cleaner
  - Other product identifiers: No other identifiers

- **Recommended use and restriction on use**
  - **Recommended use:** All-purpose cleaner
  - **Restrictions on use:**
    - Not intended for every-day body washing.
    - Keep out of eyes.
    - Do not drink.
    - Dilute before using.

- **Details of the supplier of the Safety Data Sheet**
  - **Manufacturer/Supplier:**
    - Dr. Bronner’s Magic Soaps
    - 1335 Park Center Drive
    - Vista, CA 92081
    - (844) 937-2551
    - info@drbronner.com
  - **Emergency telephone number:**
    - ChemTel Inc.
    - (800)255-3924 (North America)
    - +1 (813)248-0585 (International)

2 Hazard(s) identification

- **Classification of the substance or mixture**
  - Skin Irrit. 2  H315  Causes skin irritation.
  - Eye Dam. 1  H318  Causes serious eye damage.
  - Skin Sens. 1  H317  May cause an allergic skin reaction.

- **Label elements**
  - **GHS label elements**
    - This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission. GHS labeling is not required per 29CFR1910.1200(b)(5)(v). The labeling below applies to industrial/professional products.

- **Hazard pictograms:**
  - ![GHS05 GHS07](image)

- **Signal word:** Danger
- **Hazard statements:**
  - H315 Causes skin irritation.
  - H318 Causes serious eye damage.
  - H317 May cause an allergic skin reaction.
- **Precautionary statements:**
  - P261  Avoid breathing mist, vapors, or spray.

(Cont'd. on page 2)
Trade name: Sal Suds Biodegradable Cleaner

(Cont’d. of page 1)

P264 Wash thoroughly after handling.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection.
P302+P352 If on skin: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a poison center/doctor.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Other hazards** There are no other hazards not otherwise classified that have been identified.

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

  **Components:****

  | 151-21-3 | Sodium dodecyl sulphate | Eye Dam. 1, H318 | Acute Tox. 4, H302; Skin Irrit. 2, H315 | 10-20% |
  | 68424-94-2 | Betaines, coco alkyl dimethyl | Eye Dam. 1, H318 | Skin Irrit. 2, H315 | <5% |
  | 110615-47-9 | Alkylpolyglucoside C10-16 | Eye Dam. 1, H318 | Skin Irrit. 2, H315 | <5% |
  | 8021-29-2 | Pine Siberian | Flam. Liq. 3, H226 | Asp. Tox. 1, H304 | <1% |
  | | | Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317 |

- **Additional information:** For the wording of the listed Hazard Statements, refer to section 16.

### 4 First-aid measures

- **Description of first aid measures**

  - **After inhalation:**
    Remove victim to fresh air. Provide breathing support if needed. Call a physician for more serious cases.

  - **After skin contact:**
    Immediately rinse with water.
    If skin irritation or rash occurs: Get medical advice/attention.

  - **After eye contact:**
    Remove contact lenses if worn.
    Rinse opened eye for several minutes under running water. Then consult a doctor.

  - **After swallowing:**
    Rinse out mouth and then drink plenty of water.
    Do not induce vomiting; immediately call for medical help.

- **Most important symptoms and effects, both acute and delayed:**

(Cont’d. on page 3)
### Trade name: Sal Suds Biodegradable Cleaner

May cause gastro-intestinal irritation if ingested.
Nausea in case of ingestion.
Allergic reactions
Irritating to eyes and skin.
- **Danger:** Causes serious eye damage.
- **Indication of any immediate medical attention and special treatment needed:**
  - Contains Pine Siberian. May produce an allergic reaction.
  - Treat skin and mucous membrane with antihistamine and corticoid preparations.

### 5 Fire-fighting measures

- **Extinguishing media**
  - **Suitable extinguishing agents:**
    - The product is not flammable.
    - Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** None.
- **Special hazards arising from the substance or mixture**
  - Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
- **Protective equipment:**
  - Wear self-contained respiratory protective device.
  - Wear fully protective suit.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
  - Use personal protective equipment as required.
  - Particular danger of slipping on leaked/spilled product.
- **Environmental precautions**
  - No special measures required.
- **Methods and material for containment and cleaning up**
  - Towel or mop up material and collect in a suitable container.
  - For larger spills, add sawdust, chalk or other inert binding material, then sweep up and discard.
  - Clean the affected area carefully; suitable cleaners are:
    - Warm water

**Reference to other sections**
- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

### 7 Handling and storage

- **Handling**
  - **Precautions for safe handling:**
    - Open and handle receptacle with care.
    - Keep out of reach of children.
    - Avoid contact with the eyes and skin.
  - **Information about protection against explosions and fires:**
    - No special measures required.
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- Conditions for safe storage, including any incompatibilities
- Requirements to be met by storerooms and receptacles:
  Store in cool, dry conditions in well sealed receptacles.
  Use only receptacles specifically permitted for this substance/product.
  Unsuitable material for receptacle: aluminium.
- Information about storage in one common storage facility:
  Store away from foodstuffs.
  Do not store together with acids.
- Specific end use(s) No relevant information available.

8 Exposure controls/personal protection

- Control parameters
- Components with limit values that require monitoring at the workplace:
  The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Exposure controls
- General protective and hygienic measures:
  The usual precautionary measures for handling chemicals should be followed.
  Keep away from foodstuffs, beverages and feed.
  Avoid contact with the eyes and skin.
  Wash hands before breaks and at the end of work.
- Engineering controls: No relevant information available.
- Breathing equipment: Not required under normal conditions of use.
- Protection of hands:
  Protective gloves
- Eye protection:
  Safety glasses
- Body protection: Protective work clothing
- Limitation and supervision of exposure into the environment
  No relevant information available.
- Risk management measures No relevant information available.

9 Physical and chemical properties

- Information on basic physical and chemical properties
  Appearance:
  Form: Liquid
  Color: Slight gray
  Odor: Pleasant

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- Odor threshold: Not determined.
- pH-value: 11.0-11.5
- Melting point/Melting range: Not determined.
- Boiling point/Boiling range: Not determined.
- Flash point: Not applicable.
- Flammability (solid, gaseous): Not applicable.
- Auto-ignition temperature: Not determined.
- Decomposition temperature: Not determined.
- Danger of explosion: Product does not present an explosion hazard.
- Explosion limits
  - Lower: Not determined.
  - Upper: Not determined.
- Oxidizing properties: Non-oxidizing.
- Vapor pressure: Not determined.
- Density:
  - Relative density: 1.0316 ± 0.0012
  - Vapor density: Not determined.
  - Evaporation rate: Not determined.
- Solubility in / Miscibility with Water: Soluble.
- Partition coefficient (n-octanol/water): Not determined.
- Viscosity
  - Dynamic: 1000-1200 cP
  - Kinematic: Not determined.
- Other information No relevant information available.

10 Stability and reactivity

- Reactivity: No relevant information available.
- Chemical stability:
- Thermal decomposition / conditions to be avoided: To avoid thermal decomposition, do not overheat.
- Possibility of hazardous reactions Reacts with strong acids and oxidizing agents.
- Conditions to avoid Excessive heat.
- Incompatible materials
  - Strong acids
  - Oxidizers
- Hazardous decomposition products
  - Under fire conditions only:
    - Sulfur oxides (SOx)
    - Carbon monoxide and carbon dioxide

(Cont'd. on page 6)
11 Toxicological information

- Information on toxicological effects
  - Acute toxicity: Based on available data, the classification criteria are not met.
  - LD/LC50 values that are relevant for classification:
    - 151-21-3 Sodium dodecyl sulphate
      - Oral LD50 1288 mg/kg (rat)
  - Primary irritant effect:
    - On the skin: Irritant to skin and mucous membranes.
    - On the eye: Strong irritant with the danger of severe eye injury.
    - Sensitization: Contains Pine Siberian. May produce an allergic reaction.
  - Carcinogenic categories

- IARC (International Agency for Research on Cancer):
  None of the ingredients are listed.

- NTP (National Toxicology Program):
  None of the ingredients are listed.

- OSHA-Ca (Occupational Safety & Health Administration):
  None of the ingredients are listed.

- Probable route(s) of exposure:
  - Ingestion.
  - Inhalation.
  - Eye contact.
  - Skin contact.
  - Germ cell mutagenicity: Based on available data, the classification criteria are not met.
  - Carcinogenicity: Based on available data, the classification criteria are not met.
  - Reproductive toxicity: Based on available data, the classification criteria are not met.
  - STOT-single exposure: Based on available data, the classification criteria are not met.
  - STOT-repeated exposure: Based on available data, the classification criteria are not met.
  - Aspiration hazard: Based on available data, the classification criteria are not met.

12 Ecological information

- Toxicity
  - Aquatic toxicity: No relevant information available.
  - Persistence and degradability: Biodegradable.
  - Bioaccumulative potential: Does not accumulate in organisms
  - Mobility in soil: No relevant information available.

- Additional ecological information

- General notes:
  - Due to available data on eliminability/decomposition and bioaccumulation potential, a prolonged damage of the environment is unlikely.
  - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- Other adverse effects: No relevant information available.
13 Disposal considerations

- Waste treatment methods
  - Recommendation:
    Smaller quantities can be disposed of with household waste.
    Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.
    The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

- Uncleaned packagings
  - Recommendation: Disposal must be made according to official regulations.

14 Transport information

- UN-Number
  - DOT, ADR, ADN, IMDG, IATA
    Not regulated.

- UN proper shipping name
  - DOT, ADR, IMDG, IATA
    Not regulated.

- Transport hazard class(es)
  - DOT, ADR, IMDG, IATA
    Class
    Not regulated.

- Packing group
  - DOT, ADR, IMDG, IATA
    Not regulated.

- Environmental hazards
  - Marine pollutant:
    No

- Special precautions for user
  - Not applicable.

- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
  - Not applicable.

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
  - United States (USA)
  - SARA

  - Section 302 (extremely hazardous substances):
    None of the ingredients are listed.

  - Section 355 (extremely hazardous substances):
    None of the ingredients are listed.
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- **Section 313 (Specific toxic chemical listings):**
  None of the ingredients are listed.

- **TSCA (Toxic Substances Control Act):**
  All ingredients are listed.

- **Proposition 65 (California):**
  None of the ingredients are listed.

- **Chemicals known to cause cancer:**
  None of the ingredients are listed.

- **Chemicals known to cause developmental toxicity for females:**
  None of the ingredients are listed.

- **Chemicals known to cause developmental toxicity for males:**
  None of the ingredients are listed.

- **Chemicals known to cause developmental toxicity:**
  None of the ingredients are listed.

- **EPA (Environmental Protection Agency):**
  None of the ingredients are listed.

- **IARC (International Agency for Research on Cancer):**
  None of the ingredients are listed.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Date of preparation / last revision:** October 16, 2018 / -

- **Abbreviations and acronyms:**
  - ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
  - IMDG: International Maritime Code for Dangerous Goods
  - DOT: US Department of Transportation
  - IATA: International Air Transport Association
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - OSHA: Occupational Safety & Health Administration
  - TLV: Threshold Limit Value
  - PEL: Permissible Exposure Limit
  - REL: Recommended Exposure Limit
  - Flam. Liq. 3: Flammable liquids – Category 3
  - Acute Tox. 4: Acute toxicity – Category 4
  - Skin Irrit. 2: Skin corrosion/irritation – Category 2
  - Eye Dam. 1: Serious eye damage/eye irritation – Category 1
  - Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
  - Skin Sens. 1: Skin sensitisation – Category 1
  - Asp. Tox. 1: Aspiration hazard – Category 1

- **Sources**
  - Website, European Chemicals Agency (echa.europa.eu)
  - Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)
  - Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)
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<th>Trade name: Sal Suds Biodegradable Cleaner</th>
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Safety Data Sheets, Individual Manufacturers

SDS Prepared by:
ChemTel Inc.
1305 North Florida Avenue
Tampa, Florida USA 33602-2902
Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573
Website: www.chemtelinc.com