



# SAFETY DATA SHEET (SDS)

Version: 1.0  
Issue Date: 01/15/2026

## SECTION 1. IDENTIFICATION

### 1.1 Product Identifier

- **Product Name:** BOREALIS MULTI-PURPOSE CLEANER (LEMON SCENT)
- **Product Code (SKU):** A009
- **Recommended Use:** Multi-purpose cleaning agent with plant-based solvent for hard surfaces in industrial and professional environments.
- **Restrictions of Use:** For industrial and professional use only. Do not ingest. Do not mix with other household cleaners, bleach, or ammonia to avoid the release of irritating fumes. Do not use on unsealed wood surfaces without first testing on an inconspicuous area.

### 1.2 Details of the Supplier

- **Company Name:** BOREALIS LLC
- **Address:** 4653 Nall Rd. Farmers Branch, TX 75244, USA
- **Website:** [www.borealisproclean.com](http://www.borealisproclean.com)
- **Email:** [info@borealisproclean.com](mailto:info@borealisproclean.com)
- **Telephone:** [+1 787 468 5388]

### 1.3 Emergency Telephone Numbers

- **Medical Emergency / Poison Control Center (24/7):** 1-800-222-1222
- **Fire / Police / Ambulance:** 911

## SECTION 2. HAZARD(S) IDENTIFICATION

### 2.1 Classification of the Substance or Mixture (GHS-US)

- **Eye Irritation:** Category 2A.
- **Skin Irritation:** Category 2.
- **Skin Sensitization:** Category 1.

### 2.2 GHS Label Elements

- **Hazard Pictograms:**



- **Signal Word:** WARNING
- **Hazard Statements:**
  - H315: Causes skin irritation.
  - H319: Causes serious eye irritation.

- H317: May cause an allergic skin reaction.
- **Precautionary Statements:**
  - **Prevention:** Wash hands and exposed skin thoroughly after handling. Wear protective gloves and eye/face protection. Avoid breathing mist or spray. Contaminated work clothing must not be allowed out of the workplace.
  - **Response:**
    - **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
    - **IF ON SKIN:** Wash with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
    - **IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting. Call a physician if you feel unwell.
  - **Storage:** Store in a well-ventilated place. Keep cool. Do not heat or freeze.
  - **Disposal:** Dispose of contents and container in accordance with local, regional, national, and international regulations.

### 2.3 Other Hazards

- Extreme slipping hazard if the product is spilled on traffic surfaces.

## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

### Mixture

| Chemical Name                          | CAS No.      | Concentration (%) |
|--|--------------|-------------------|
| Surfactant Blend (Firmenich Base)      | Mixture      | 3.0 – 7.0 %       |
| Lemon Fragrance                        | Mixture      | 1.0 – 2.0 %       |
| Laureth-7                              | 9002-92-0    | 1.0 – 3.0 %       |
| Proprietary degreasing agent           | Trade Secret | 0.1 – 1.0 %       |
| Citric acid                            | 77-92-9      | 0.1 – 1 %         |
| Fluorescent Yellow Color (CI 45350)    | 518-47-8     | 0.5 – 1.5 %       |
| Sodium Dodecylbenzene Sulfonate (DBSS) | 68411-30-3   | 0.5 – 1.0 %       |
| Sodium Laureth Sulfate (SLES)          | 68585-34-2   | 0.1 – 0.5 %       |
| d-Limonene                             | 5989-27-5    | 0.1 – 0.5 %       |
| Glutaraldehyde (50%)                   | 111-30-8     | 0.01 – 0.1 %      |
| Tetrasodium EDTA                       | 64-02-8      | < 0.1 %           |
| Water                                  | 7732-18-5    | Balance           |

*The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200. Hazards of the mixture are reflected in Section 2.*

## SECTION 4. FIRST-AID MEASURES

- **General Advice:** Never give anything by mouth to an unconscious person. If symptoms persist, consult a physician. Show this safety data sheet to the doctor in attendance.
- **Inhalation:** Move victim to fresh air and keep at rest in a position comfortable for breathing. If breathing difficulties occur, seek immediate medical attention.
- **Skin Contact:** Wash with plenty of water and mild soap. Remove contaminated clothing and shoes. If skin irritation or rash occurs, seek specialized medical attention.
- **Eye Contact:** Immediately flush with plenty of water, also under the eyelids, for at least 15-20 minutes. Remove contact lenses if present and easy to do. Consult an ophthalmologist if irritation persists.
- **Ingestion:** Rinse mouth with water. Do not induce vomiting. If the victim is conscious, give small sips of water to dilute. Seek medical attention if you feel unwell.

## SECTION 5. FIRE-FIGHTING MEASURES

- **Suitable Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide (CO<sub>2</sub>).
- **Specific Hazards:** In case of fire, thermal decomposition may generate irritating and toxic gases, including carbon oxides, sulfur oxides, and organic vapors.
- **Protective Equipment:** Firefighters must use positive pressure self-contained breathing apparatus (SCBA) and full chemical protective clothing.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

- **Personal Precautions:** Ensure adequate ventilation. Evacuate non-essential personnel. Avoid contact with skin, eyes, and clothing. Use nitrile gloves and tight-fitting safety goggles. Extreme slipping hazard on wet surfaces.
- **Environmental Precautions:** Prevent product from entering sewers, drainage systems, surface water, or groundwater. Notify competent authorities if the product contaminates waterways.
- **Methods for Cleanup:** Contain the spill with dikes of non-combustible absorbent material (sand, earth, vermiculite). Mechanically collect and place in labeled containers for subsequent disposal. Wash the affected area with water and detergent to remove slippery residues.

## SECTION 7. HANDLING AND STORAGE

- **Handling:** Use only in well-ventilated areas. Avoid the formation of mists or aerosols. Do not eat, drink, or smoke during handling. Wash hands thoroughly after using the product.
- **Storage:** Keep the original container tightly closed. Store in a cool, dry place protected from direct sunlight. Avoid extreme temperatures (do not freeze or expose to heat exceeding 40°C/104°F). Keep out of reach of children.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control Parameters

- **No specific occupational exposure limits have been established for the declared components at the concentrations present in this mixture.**

### 8.2 Engineering Controls

- Ensure adequate general and local ventilation to maintain airborne concentrations below exposure limits. Provide eye wash stations and safety showers in the work area.

### 8.3 Personal Protective Equipment (PPE)

- **Eye Protection:** Tight-fitting safety goggles or face shield if there is a risk of splashing.
- **Skin Protection:** Nitrile or neoprene chemical-resistant gloves. Use an apron or protective clothing if handling involves frequent contact.
- **Respiratory Protection:** Not required under normal conditions. If spray mist is generated in poorly ventilated areas, use a NIOSH-approved respirator suitable for mist/particulates.

Avoid prolonged skin contact due to the presence of sensitizing components. Use of gloves is recommended during extended handling.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** Clear liquid, bright yellow color.
- **Odor:** Citrus profile with fresh lemon notes.
- **pH Range:** 6.5 – 8.5.
- **Apparent Density Range (as measured) (g/ml):** 0.92 – 1.02.
- **Viscosity Range (mPa.S):** 1.0 – 5.0.

Unless otherwise specified, physical and chemical properties were measured at approximately 25°C. Values represent typical ranges observed during small-batch production; variability may occur due to raw material lot differences, entrained air/foam, temperature, and storage conditions.

## SECTION 10. STABILITY AND REACTIVITY

- **Reactivity:** No dangerous reactions known under normal conditions of use.
- **Chemical Stability:** Stable under recommended storage and handling conditions.
- **Conditions to Avoid:** Exposure to extreme temperatures and direct sunlight.
- **Incompatible Materials:** The product is chemically stable under normal storage and use conditions. Avoid contact with strong oxidizing agents.
- **Hazardous Decomposition Products:** No hazardous decomposition products are produced if stored correctly. In case of combustion, see Section 5.

## SECTION 11. TOXICOLOGICAL INFORMATION

- **Acute Toxicity:** Not classified as acutely toxic based on the sum of its components. Estimated Oral LD50 > 2000 mg/kg.
- **Skin Corrosion/Irritation:** Potential irritation is primarily associated with the surfactant system present in the formulation.

- **Serious Eye Damage/Eye Irritation:** Causes serious eye irritation (Category 2A). May cause redness and tearing.
- **Skin Sensitization:** The product contains components that may cause skin reaction in sensitive individuals or after repeated exposure. Under normal conditions of use and handling, significant adverse effects are not expected.
- **Carcinogenicity:** Not applicable. No component is listed by IARC, NTP, or OSHA as a human carcinogen.
- **Reproductive Toxicity:** No data available indicating effects on reproduction.

## SECTION 12. ECOLOGICAL INFORMATION

- **Ecotoxicity:** The product is not classified as hazardous to the aquatic environment according to GHS criteria; avoid direct environmental release.
- **Persistence and Degradability:** Surfactants are expected to be biodegradable.
- **Bioaccumulative Potential:** Low potential.
- **Mobility in Soil:** Water-soluble; may move through soil if spilled.

## SECTION 13. DISPOSAL CONSIDERATIONS

- **Disposal Methods:** Do not dispose of with household waste. Dispose of in accordance with local, state, and federal laws and regulations. Diluted product may, in some cases, be treated in biological sewage systems.
- **Contaminated Packaging:** Thoroughly rinse empty containers with water before sending them for recycling or final disposal. Do not reuse empty containers for other purposes.

## SECTION 14. TRANSPORT INFORMATION

- **DOT (USA):** Not regulated as a hazardous material for land transport.
- **IATA:** Not regulated for air transport.
- **IMDG:** Not regulated for sea transport.

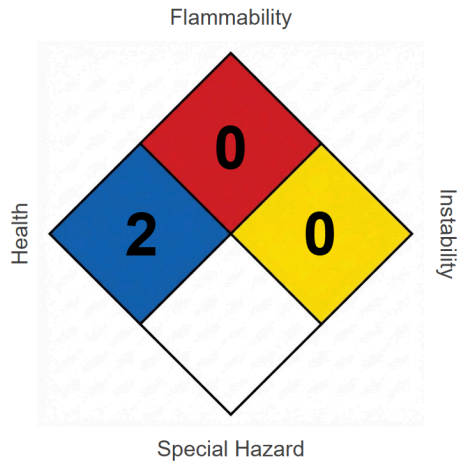
## SECTION 15. REGULATORY INFORMATION

- **TSCA (USA):** All components are listed on the EPA Chemical Substance Inventory or are exempt.
- **Section 302 (EHS):** Contains no extremely hazardous substances under SARA Title III.
- **SARA 311/312:** Acute Health Hazard (Irritation/Sensitization).
- **SARA 313:** Contains no chemicals subject to Section 313 reporting requirements.
- **California Proposition 65:** This product does not contain chemicals known to the State of California to cause cancer or reproductive harm.

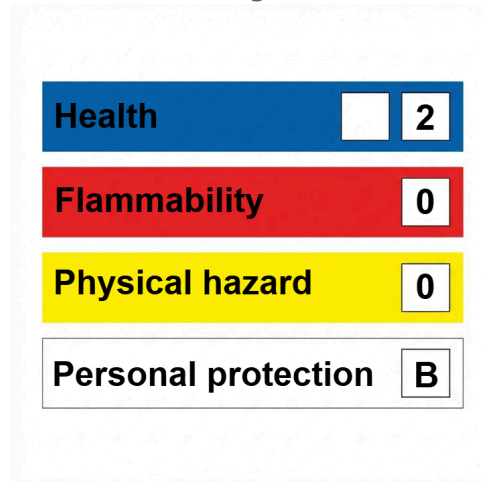
## SECTION 16. OTHER INFORMATION

- **NFPA**

**Rating:**



- **HMIS Rating:**



**Key to Ratings:** 0 = Minimal Hazard, 1 = Slight Hazard, 2 = Moderate Hazard, 3 = Serious Hazard, 4 = Severe Hazard. An asterisk (\*) next to the Health rating indicates a potential chronic health hazard.

**Personal Protection Equipment (PPE) Codes:** A = Safety Glasses; B = Safety Glasses + Gloves; C = Safety Glasses + Gloves + Apron; H = Splash Goggles + Gloves + Apron + Vapor Respirator.

- **Version: 1.0**
- **Issue Date: 01/15/2026**
- **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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.