



SAFETY DATA SHEET (SDS)

Version: 1.0
Issue Date: 01/15/2026

SECTION 1. IDENTIFICATION

1.1 Product Identifier

- **Product Name:** BOREALIS BLUE LIQUID LAUNDRY DETERGENT
- **Product Code (SKU):** A018
- **Recommended Use:** High-performance concentrated liquid laundry detergent.
- **Restrictions on Use:** Use only as directed. Do not mix with other chemicals.

1.2 Supplier Details

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

1.3 Emergency Telephone Numbers

- **Medical Emergency / Poison Control (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)

- Skin Corrosion/Irritation: Category 2
- Serious Eye Damage/Eye Irritation: Category 2A
- Carcinogenicity: 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 (contains d-limonene).
 - H351: Suspected of causing cancer.

- **Precautionary Statements:**
 - **Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash hands thoroughly after handling. Wear protective gloves/eye protection. Avoid breathing vapors or mist.
 - **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 soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
 - IF exposed or concerned: Get medical advice/attention.
 - **Storage:** Store locked up.
 - **Disposal:** Dispose of contents/container in accordance with local/regional/federal regulations.

2.3 Other Hazards

- None known.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture

Chemical Name	CAS No.	Concentration (%)
Sodium Laureth Sulfate (SLES)	68585-34-2	30.0 – 40.0%
Limonene	5989-27-5	< 0.1%
Proprietary Degreasing Agent	Trade Secret	< 0.1%
Cocamide DEA	68603-42-9	0.5 – 1.5%
Tetrasodium EDTA	64-02-8	0.5 – 1.5%
Sodium Chloride	7647-14-5	0.5 – 1.5%
Fragrance (Jungle Aroma)	Mixture	0.1 – 1.0%
Acid Blue 324 (Colorant)	88264-80-6	0.5 – 1.5%
Sodium Carboxymethyl Cellulose	9004-32-4	0.1 – 1.0%
Mixture of CMIT/MIT (Biocide)	55965-84-9	< 0.1%

Water	7732-18-5	Balance
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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. The hazards associated with these components (Sensitization) are reflected in Section 2.

SECTION 4. FIRST-AID MEASURES

Description of First Aid Measures

- **General Advice:** Show this safety data sheet to the doctor in attendance.
- **Eye Contact:** Immediately flush with plenty of water for at least 15 minutes, lifting upper and lower eyelids. Seek medical attention if irritation persists.
- **Skin Contact:** Wash off with soap and plenty of water. Consult a physician if irritation or allergic reaction develops.
- **Inhalation:** Move to fresh air. If breathing is difficult, give oxygen.
- **Ingestion:** Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice.

Most important symptoms and effects

- Burning sensation in eyes. Redness and skin irritation.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

- **Suitable:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- **Specific Hazards:** Under fire conditions, this product may produce hazardous decomposition products such as oxides of carbon, sulfur, and nitrogen.
- **Protective Equipment:** As in any fire, wear self-contained breathing apparatus (SCBA) and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

- Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin and eyes. High risk of slipping due to leakage/spillage of product.

Methods for Containment and Cleaning Up

- **Containment:** Contain spill to prevent spreading.
- **Cleaning Up:** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

- Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing.

Conditions for Safe Storage

- Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from

freezing. Store locked up to prevent unauthorized access.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

- **d-Limonene (CAS 5989-27-5):** No OSHA PEL/ACGIH TLV established. Exposure should be minimized to prevent skin sensitization and vapor inhalation.

Individual Protection Measures (PPE)

- **Eye Protection:** Tightly fitting safety goggles.
- **Skin Protection:** Chemical resistant gloves (Nitrile, Neoprene). Prolonged or repeated skin contact with d-limonene-containing mixtures may cause sensitization.
- **Respiratory Protection:** Not required under normal conditions. If spray mist is generated in poorly ventilated areas, use a NIOSH-approved respirator.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** Blue viscous liquid
- **Odor:** Characteristic
- **pH Range:** 9.5-10.5
- **Apparent Density Range (as measured) (g/ml):** 0.55 – 0.70
- **Viscosity Range (mPa.S):** 3,500-5,000

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: Not reactive under normal conditions.

Chemical Stability: Stable under recommended storage conditions.

Conditions to Avoid: Extremes of temperature and direct sunlight.

Incompatible Materials: Strong oxidizing agents. Strong acids.

Hazardous Decomposition Products: Carbon oxides. Sulfur oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

- **Inhalation:** No known effect.
- **Eye Contact:** Irritating to eyes. May cause irritation.
- **Skin Contact:** Irritating to skin.
- **Ingestion:** May be harmful if swallowed.
- **Skin Sensitization:** Contains d-limonene, which may cause an allergic skin reaction in sensitive individuals.

Delayed and Immediate Effects

- **Carcinogenicity: Cocamide DEA (CAS 68603-42-9)** is classified by IARC as Group 2B: Possibly carcinogenic to humans.

- **Acute Toxicity:**
 - SLES (LD50 Oral, Rat): >2,000 mg/kg
 - Cocamide DEA (LD50 Oral, Rat): >5,000 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: This product is not classified as hazardous to the aquatic environment according to GHS criteria. Avoid uncontrolled release of concentrated product into waterways or drains.

Persistence and Degradability: Expected to be biodegradable.

Bioaccumulation: Low potential.

SECTION 13. DISPOSAL CONSIDERATIONS

- **Waste Treatment Methods:** Dispose of in accordance with local regulations. This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261), but large quantities may require local pre-treatment according to regulations.

SECTION 14. TRANSPORT INFORMATION

DOT (USA): Not Regulated.

IATA (Air): Not Regulated.

IMDG (Ocean): Not Regulated.

SECTION 15. REGULATORY INFORMATION

US Federal Regulations

- **TSCA:** All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.
- **SARA 311/312 Hazard Categories:**
 - Acute Health Hazard: Yes
 - Chronic Health Hazard: Yes
- **SARA 313:** This product contains **Cocamide DEA**, which may contain residual **Diethanolamine** (CAS 111-42-2), a chemical subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 372.

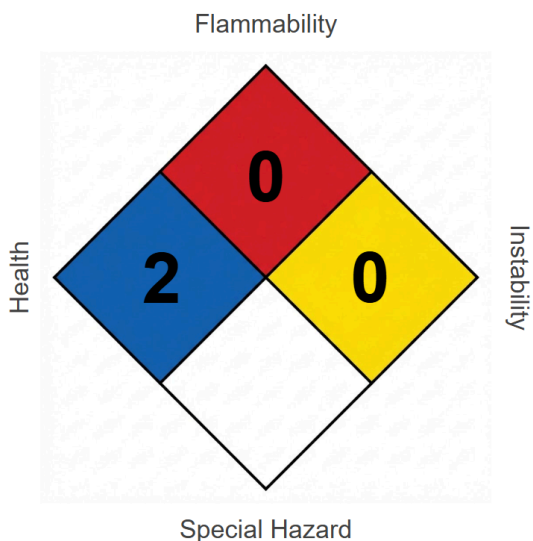
US State Regulations

- **California Proposition 65:**
 - **WARNING:** This product may contain chemical(s) known to the State of California to cause cancer and/or birth defects or other reproductive harm.

SECTION 16. OTHER INFORMATION

● **NFPA Rating:**

● **HMIS Rating:**



Health	*	2
Flammability		0
Physical hazard		0
Personal protection		B

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 guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The chemical identity of the "Proprietary Degreasing Agent" has been withheld as a Trade Secret.