



Revision Number: 001.3

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**1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER**

Product identifier used on the label: Purex Liquid Laundry Detergent - Mountain Breeze

Recommended use of the chemical and restrictions on use: Universal, No restrictions on use.

Name, address and telephone number of the chemical manufacturer:

Henkel Corporation  
 One Henkel Way  
 Rocky Hill, Connecticut 06067

Telephone: For medical emergencies 1-833-359-6299 For transportation CHEMTREC: 1-800-424-9300  
 Internet: www.henkel-northamerica.com

**2. HAZARDS IDENTIFICATION**

The hazards described in this Globally Harmonized System Safety Data Sheet (SDS) are not intended for consumers, and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.

Classification of the substance or mixture in accordance with paragraph (d) of §1910.1200

|                 | HAZARD CLASS | HAZARD CATEGORY |
|-----------------|--------------|-----------------|
| SKIN IRRITATION |              | 2               |
| EYE IRRITATION  |              | 2A              |

Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with paragraph (f) of §1910.1200

Signal word: WARNING

Hazard Statement(s):  
 Causes skin irritation.  
 Causes serious eye irritation.

Symbol(s):



Precautionary Statements:

**Prevention:** Wash thoroughly after handling.  
 Wear eye and face protection.  
 Wear protective gloves.

**Response:** IF ON SKIN: Wash with plenty of water.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 If skin irritation occurs: Get medical attention.  
 If eye irritation persists: Get medical attention.  
 Take off contaminated clothing.

**Storage:** Not prescribed

**Disposal:** Not prescribed

Hazards not otherwise classified: None known

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

The following chemicals are classified as health hazards in accordance with paragraph (d) of § 1910.1200.

| Chemical Name*   | CAS Number (Unique Identifier) | Concentration |
|--|--------------------------------|---------------|
| Alcohols, C12-18, 7-EO, sulfates, sodium salts           | 68081-91-4                     | 5 - 10 %      |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | 68411-30-3                     | 1 - 5 %       |
| Sodium carbonate   | 497-19-8                       | 1 - 5 %       |
| Alcohols, C12-18, 7EO                                    | 68213-23-0                     | 1 - 5 %       |
| Sodium chloride  | 7647-14-5                      | 1 - 5 %       |

\*The specific chemical identity and/or exact percentage (concentration) of composition has been withheld because a trade secret is claimed in accordance with paragraph (i) of §1910.1200.

#### 4. FIRST AID MEASURES

##### Description of necessary measures

**Inhalation:** Remove from exposure area to fresh air. Contact physician or local poison control center.  
**Skin contact:** Rinse affected area with large amounts of water until no evidence of product remains. Get medical attention if irritation persists.  
**Eye contact:** Rinse eyes immediately with plenty of water, occasionally lifting upper and lower lids, until no evidence of product remains. Get medical attention if pain or irritation persist.  
**Ingestion:** Dilution by rinsing the mouth and giving a glass of water to drink is generally recommended. Contact physician or local poison control center.

##### Most important symptoms and effects, both acute and delayed

After eye contact: Moderate to strong irritation of the eyes (redness, swelling, burning, watering eyes). After skin contact: Temporary irritation of the skin (redness, swelling, burning). After inhalation: Breathing high vapor concentrations may produce anesthetic effects, nausea, dizziness, headache. After ingestion: Ingestion may cause irritation of mouth, throat, digestive tract, diarrhea and vomiting.

##### Indication of any immediate medical attention and special treatment needed

After eye contact: Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. After skin contact: Rinse affected area with large amounts of water until no evidence of product remains. After inhalation: Remove from exposure area to fresh air. After ingestion: May be fatal if swallowed and enters airways. Dilution by rinsing the mouth and giving water or milk to drink is generally recommended.

#### 5. FIRE FIGHTING MEASURES

##### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** Dry chemical, carbon dioxide, water spray or regular foam.

**Unsuitable extinguishing media:** None

##### Specific hazards arising from the chemical

Oxides of carbon and oxides of nitrogen.

##### Special protective equipment and precautions for fire-fighters

In case of fire, wear a full-face positive-pressure self-contained breathing apparatus and protective suit. Shut off all ignition sources. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Avoid breathing vapors, keep upwind. Keep unnecessary personnel away.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

Wear skin, eye and respiratory protection as recommended in Section 8. Stop or reduce any leaks if it is safe to do so. Spills present a slipping hazard. Keep unnecessary personnel away. Ensure clean-up is conducted by trained personnel only. Make sure area is slip-free before re-opening to traffic.

##### Environmental precautions

Small or household quantities may be disposed in sewer or other liquid waste system. For larger quantities check with your local water treatment plant.

## Methods and materials for containment and cleaning up

SMALL SPILLS: Contain and absorb with sand or other absorbent material and place into clean, dry containers for later disposal. Wash site of spillage thoroughly with water. LARGE SPILLS: Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent material and place into containers for later disposal. Dispose in suitable waste container.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Do not get in eyes, on skin, on clothing Do not ingest. Use with adequate ventilation. Avoid generating aerosols and mists. Keep the containers closed when not in use.

### Conditions for safe storage, including any incompatibilities

Store away from incompatible substances, excessive heat, flames, sparks or other ignition sources. Storage areas for large quantities (warehouse) should be well ventilated. Keep the containers tightly closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available.

| Hazardous Component(s) | ACGIH TLV | OSHA PEL | AIHA WEEL | OTHER |
|------------------------|-----------|----------|-----------|-------|
| Sodium carbonate       | None      | None     | None      | None  |
| Sodium chloride        | None      | None     | None      | None  |

### Appropriate engineering controls

Provide local exhaust or general dilution ventilation to keep exposure to airborne contaminants below the permissible exposure limits where mists or vapors may be generated.

### Individual protection measures

|                     |   |
|---------------------|---|
| <b>Respiratory:</b> | If respiratory protection is required, it must be based on the contamination levels found in the workplace, must not exceed the working limits of the respirator and be jointly approved by the National Institute for Occupational Safety and Health and the Mine Safety and Health Administration (NIOSH-MSHA). |
| <b>Eye:</b>         | Splash-proof safety glasses are required to prevent eye contact where splashing of product may occur.   |
| <b>Hand/Body:</b>   | Chemical-resistant gloves are required where repeated or prolonged skin contact may occur. Protective clothing is required where repeated or prolonged skin contact may occur.  |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |                               |
|---|-------------------------------|
| <b>Appearance:</b>                              | liquid<br>blue                |
| <b>Odor:</b>                                    | floral, green, woody          |
| <b>Odor threshold:</b>                          | Not available.                |
| <b>pH:</b>                                      | 10.2 - 12.2                   |
| <b>Melting point/ range:</b>                    | Not available.                |
| <b>Boiling point/range:</b>                     | Not available.                |
| <b>Flash point:</b>                             | Not available.                |
| <b>Evaporation rate:</b>                        | Not available.                |
| <b>Flammable/Explosive limits - lower:</b>      | Not available.                |
| <b>Flammable/Explosive limits - upper:</b>      | Not available.                |
| <b>Vapor pressure:</b>                          | Not available.                |
| <b>Vapor density:</b>                           | Not available.                |
| <b>Solubility in water:</b>                     | Not available.                |
| <b>Partition coefficient (n-octanol/water):</b> | Not available.                |
| <b>Autoignition temperature:</b>                | Not available.                |
| <b>Decomposition temperature:</b>               | Not available.                |
| <b>Viscosity:</b>                               | 300 - 700 mPa.s               |
| <b>VOC content:</b>                             | Not available.                |
| <b>Specific gravity:</b>                        | 1.040 - 1.080 at 20 °C (68°F) |

## 10. STABILITY AND REACTIVITY

|  |  |
|--|--|
| <b>Reactivity:</b>                         | This product reacts with acids.  |
| <b>Chemical stability:</b>                 | Stable under normal ambient temperature (70°F, 21°C) and pressure (1 atm).       |
| <b>Possibility of hazardous reactions:</b> | Hazardous polymerization does not occur under normal temperatures and pressures. |
| <b>Conditions to avoid:</b>                | Avoid storing in direct sunlight and avoid extremes of temperature.              |
| <b>Incompatible materials:</b>             | Strong oxidizers, acids.   |
| <b>Hazardous decomposition products:</b>   | Thermal decomposition products may include oxides of carbon.                     |

## 11. TOXICOLOGICAL INFORMATION

### Likely routes of exposure including symptoms related to characteristics

|   |  |
|---|--|
| <b>Inhalation:</b>                          | Unlikely to occur due to the physical properties of the product.   |
| <b>Skin contact:</b>                        | Can cause skin irritation with prolonged contact.  |
| <b>Eye contact:</b>                         | This product may cause irritation with stinging, tearing, and redness.   |
| <b>Ingestion:</b>                           | Ingestion of large quantities may cause gastrointestinal irritation with nausea, vomiting and diarrhea.                        |
| <b>Physical/Chemical:</b>                   | No physical/chemical hazards are anticipated for this product.   |
| <b>Other relevant toxicity information:</b> | This product is a laundry care product. The use of this product by consumers is safe under normal and reasonable foreseen use. |

### Numerical measures of toxicity, including delayed and immediate effect

| Hazardous Component(s)                                   | LD50s and LC50s  | Immediate and Delayed Health Effects |
|--|--|--------------------------------------|
| Alcohols, C12-18, 7-EO, sulfates, sodium salts           | None   | No Data                              |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | None   | Irritant                             |
| Sodium carbonate   | Oral LD50 (RAT) = 4,090 mg/kg<br>Inhalation LC50 (RAT, 2 h) = 2.3 mg/l | Irritant, Sensory                    |
| Alcohols, C12-18, 7EO                                    | None   | Irritant                             |
| Sodium chloride  | Oral LD50 (RAT) = 3,000 mg/kg  | Irritant                             |

### Carcinogenicity information

| Hazardous Component(s)                                   | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen |
|--|----------------|-----------------|-----------------|
| Alcohols, C12-18, 7-EO, sulfates, sodium salts           | No             | No              | No              |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | No             | No              | No              |
| Sodium carbonate   | No             | No              | No              |
| Alcohols, C12-18, 7EO                                    | No             | No              | No              |
| Sodium chloride  | No             | No              | No              |

|                                  |   |
|----------------------------------|---|
| <b>Carcinogenicity</b>           | None of the ingredients in this product are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the Occupational Safety and Health Administration (OSHA). |
| <b>Mutagenicity</b>              | None of the ingredients in this product are known to cause mutagenicity.  |
| <b>Toxicity for reproduction</b> | None of the ingredients in this product are known as reproductive, fetal, or developmental hazards.   |

## 12. ECOLOGICAL INFORMATION

### Aquatic Toxicity:

The following toxicity information is available for the hazardous ingredient(s) when used as technical grade and is provided as reference for the occupational settings. This product is anticipated to be safe for the environment at concentrations predicted in household settings under normal use conditions.

### Toxicity to fish:

The aquatic toxicity profile of this product has not been determined.

### Toxicity to aquatic invertebrates:

The aquatic toxicity profile of this product has not been determined.

### Toxicity to algae:

The aquatic toxicity profile of this product has not been determined.

### Persistence and degradability

| Hazardous substances<br>CAS-No.  | Result value          | Route of<br>application | Species | Method  |
|--|-----------------------|-------------------------|---------|---|
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts<br>68411-30-3 | readily biodegradable | aerobic                 | 85 %    | OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test) |
| Alcohols, C12-18, ethoxylated<br>68213-23-0                            | readily biodegradable | aerobic                 | 79 %    | OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test) |

### Bioaccumulative potential

The bioaccumulation potential of this product has not been determined.

### Mobility in soil

The mobility of this product (in soil and water) has not been determined.

## 13. DISPOSAL CONSIDERATIONS

### Description of waste residues:

**Hazardous waste number:** Not regulated

### Safe handling and disposal methods:

**Recommended method of disposal:** This product is not a RCRA hazardous waste and can be disposed of in accordance with federal, state and local regulations.

**Disposal of uncleaned packages:** Do not reuse this container.

## 14. TRANSPORT INFORMATION

The information in this section is for reference only and should not take the place of a shipping paper (bill of lading) specific to an order. Please note that the proper shipping classification may vary by packaging, properties, and mode of transportation.

### U.S. Department of Transportation Ground (49 CFR)

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

**International Air Transportation (ICAO/IATA)**

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

**Water Transportation (IMO/IMDG)**

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

|                                   |
|-----------------------------------|
| <b>15. REGULATORY INFORMATION</b> |
|-----------------------------------|

**Occupational safety and health act:** Hazard Communication Standard, 29 CFR 1910.1200(g) Appendix D: The Occupational Safety and Health Administration (OSHA) require that the Safety Data Sheets (SDSs) are readily accessible to employees for all hazardous chemicals in the workplace. Since the use pattern and exposure in the workplace are generally not consistent with those experienced by consumers, this SDS may contain health hazard information not relevant to consumer use.

**United States Regulatory Information**

**TSCA 8 (b) Inventory Status:** All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.  
**TSCA 12 (b) Export Notification:**  
**CERCLA/SARA Section 302 EHS:** None above reporting de minimis.  
**CERCLA/SARA Section 311/312:** Not available.  
**CERCLA/SARA Section 313:** None above reporting de minimis.  
**California Proposition 65:** No California Proposition 65 listed chemicals are known to be present.

**Canada Regulatory Information**

**CEPA DSL/NDSL Status:** One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.

|                              |
|------------------------------|
| <b>16. OTHER INFORMATION</b> |
|------------------------------|

**DISCLAIMER:** The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates ("Henkel") does not assume responsibility for any results obtained by persons over whose methods Henkel has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Henkel's products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel's products. Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.

**This safety data sheet contains changes from the previous version in sections:** New Safety Data Sheet format.

**Prepared by:** R&D Support Services

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