



Revision Number: 007.0

Issue Date: 03/11/2015

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

**Product identifier used on the label:** Purex® 2 Color Safe Bleach  
Borateem Color Safe Bleach

**Other means of identification:** 1067738 (Purex 2); 1278560 (Borateem)

**Recommended use of the chemical and restrictions on use:** Bleach Universal; No restrictions on use

**Name, address and telephone number of the chemical manufacturer:**

The Dial Corporation, a Henkel Company  
7201 E. Henkel Way  
Scottsdale, AZ 85255-9672 USA

CHEMTREC: 1-800-424-9300 (24 hours daily)  
Internet: www.henkelna.com

**Emergency telephone number:** Medical Emergencies: 1-888-689-9082

## 2. HAZARD IDENTIFICATION

The hazards described in this OSHA 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 |
|---------------------|-----------------|
| OXIDIZING SOLID     | 3               |
| ACUTE TOXICITY ORAL | 4               |
| SKIN CORROSION      | 1C              |
| SERIOUS EYE DAMAGE  | 1               |

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

**Signal word:** DANGER  
**Hazard Statement(s):** May intensify fire; oxidizer.  
Harmful if swallowed.  
Causes severe skin burns and eye damage.



**Symbol(s):**

**Precautionary Statements:**

**Prevention:** Keep away from heat.  
Keep away from clothing and other combustible materials.  
Take any precaution to avoid mixing with combustibles.  
Do not breathe dust or fumes.  
Wash thoroughly after handling.  
Do not eat, drink or smoke when using this product.

**Response:** Wear protective gloves, eye protection, and face protection.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
Immediately call a POISON CENTER or physician.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing.  
Wash contaminated clothing before reuse.

**Storage:** In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.

**Disposal:** Not prescribed.  
Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

**Hazards not otherwise classified:** Not available.

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 |
|-----------------------------------------------------------|--------------------------------|---------------|
| Sodium chloride                                           | 7647-14-5                      | 30 – 60 %     |
| Sodium carbonate                                          | 497-19-8                       | 10 – 30 %     |
| Na-silicate solution 1.86                                 | 1344-09-8                      | 5 – 10 %      |
| Disodium carbonate, compound with hydrogen peroxide (2:3) | 15630-89-4                     | 5 – 10 %      |
| Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.          | 85536-14-7                     | 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. Treat symptomatically and supportively. If any symptoms appear, get medical attention.

**Skin contact:** Rinse affected area with large amounts of water until no evidence of product remains. Discontinue exposure. Get medical attention if irritation persists.

**Eye contact:** Immediately rinse eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention if pain or irritation develops.

**Ingestion:** Dilution by rinsing the mouth and giving water or milk to drink is generally recommended. Contact physician or local poison control center.

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

After eye contact: May cause moderate to severe irritation, with possibility of corneal injury if not removed promptly. After skin contact: Moderate to strong irritation of the skin (redness, swelling, burning), severe burns also possible. After Ingestion: Ingestion may cause pain, burning, swelling and redness in the mouth and throat. Nausea and vomiting may occur. After inhalation: Dust may cause mucous membrane irritation with coughing and shortness of breath.

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

After eye contact: Rinse eyes immediately with plenty of water, occasionally lifting upper and lower lids, until no evidence of product remains. After skin contact: Rinse affected area with large amounts of water until no evidence of product remains. After ingestion: Dilution by rinsing the mouth and giving a glass of water to drink is generally recommended. After inhalation: Remove from exposure area to fresh air. Contact physician or local poison control center.

### 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 known

#### Specific hazards arising from the chemical

Thermal decomposition may release toxic and/or hazardous gases, including toxic oxides of carbon and sulfur.

#### 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. Isolate area. Keep unnecessary personnel away. Avoid breathing vapors, keep upwind.

### 6. ACCIDENTAL RELEASE MEASURES

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

Wear skin, eye and respiratory protection as recommended in Section 8. Stop leak if you can do it without risk. Spills present a slipping hazard. Keep unnecessary personnel away. Ventilate spill area if possible. Make sure area is slip-free before re-opening to traffic.

#### Environmental Precautions

Small or household quantities may be disposed in regular domestic trash. For larger quantities check with your local disposal authorities.

#### Methods and materials for containment and cleaning up

|                                                                                       |             |
|---------------------------------------------------------------------------------------|-------------|
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| All Fabric Dry Bleach                                                                 | Page 2 of 5 |

SMALL SPILLS: Sweep or scoop up and place into containers for later disposal. Wash site of spillage thoroughly with water. LARGE SPILLS: Sweep or scoop up and place into suitable clean, dry containers for reclamation or later disposal. Do not flush spilled material into sewer. Dispose in suitable waste container. Keep unnecessary people away from spill.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Do not get in eyes, on skin, on clothing. Do not take internally. Use with adequate ventilation. Keep the containers closed when not in use. Have emergency equipment (for fires, spills, leaks, etc.) readily available.

### Conditions for safe storage, including any incompatibilities

Store in original containers in a cool dry area. 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                                                                   | OSHA PEL                                                                          | AIHA WEEL | OTHER |
|---------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------|-------|
| Detergent Dust. Particles Not Otherwise Specified | TWA: 10 mg/m <sup>3</sup> (inhalable), 3 mg/m <sup>3</sup> (respirable) | TWA: 15 mg/m <sup>3</sup> (total dust), 5 mg/m <sup>3</sup> (respirable fraction) | 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

**Respiratory:** Air contamination monitoring should be carried out where mists or vapors are likely to be generated, to assure that the employees are not exposed to airborne contaminants above the permissible exposure limits.

**Eye:** Splash-proof safety glasses are required to prevent eye contact where splashing of product may occur.

**Hand/Body:** Protective 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>                              | powder, white              |
| <b>Odor:</b>                                    | floral, green, woody       |
| <b>Odor threshold:</b>                          | Not available              |
| <b>pH:</b>                                      | 10.9 (1% aqueous solution) |
| <b>Melting point/ range:</b>                    | Not available.             |
| <b>Boiling point/range:</b>                     | Not available.             |
| <b>Flash point:</b>                             | Not applicable             |
| <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>                     | Soluble                    |
| <b>Partition coefficient (n-octanol/water):</b> | Not available.             |
| <b>Autoignition temperature:</b>                | Not available.             |
| <b>Decomposition temperature:</b>               | Not available.             |
| <b>Viscosity:</b>                               | Not available.             |
| <b>VOC content:</b>                             | Not available.             |
| <b>Specific gravity:</b>                        | 348 – 426 g/L (density)    |

## 10. STABILITY AND REACTIVITY

**Reactivity:** This product may react with strong alkalis.

**Chemical stability:** Stable under normal ambient temperature (70°F, 21°C) and pressure (1 atm).

**Possibility of hazardous reactions:** Hazardous polymerization has not been reported to occur under normal temperatures and pressures.

**Conditions to avoid:** Avoid storing in direct sunlight, avoid extremes of temperature, avoid contact with incompatible substances.

**Incompatible materials:** Reducing agents, bases, metals and combustible materials.

**Hazardous decomposition products:** Thermal decomposition may produce irritating smoke, carbon monoxide, and carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

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

**Inhalation:** Dust may cause mucous membrane irritation with coughing, dryness and sore throat.

**Skin contact:** May cause severe irritation, pain and possibly chemical burns.

**Eye contact:** May cause moderate to severe irritation, with possibility of corneal injury if not removed promptly.

**Ingestion:** Large quantities may be toxic. May cause burns of the mouth, throat and stomach. May also cause gastrointestinal disturbances such as nausea, vomiting, abdominal pain, and diarrhea.

**Physical/Chemical:** The product is an oxidant. The product is corrosive.

### Other relevant toxicity information:

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 |
|---------------------------|------------------------------------------------------------------------|--------------------------------------|
| Sodium chloride           | Oral LD50 (RAT) = 3,000 mg/kg                                          | Irritant                             |
| Sodium carbonate          | Oral LD50 (RAT) = 4,090 mg/kg<br>Inhalation LC50 (RAT, 2 h) = 2.3 mg/l | Irritant, Sensory                    |
| Na-silicate solution 1.86 | Oral LD50 (RAT) = 1,100 - 1,600 mg/kg<br>Oral LD50 (RAT) = 1.1 g/kg    | Corrosive, Irritant                  |

### Carcinogenicity information

| Hazardous Component(s)                                    | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen |
|-----------------------------------------------------------|----------------|-----------------|-----------------|
| Sodium chloride                                           | No             | No              | No              |
| Sodium carbonate                                          | No             | No              | No              |
| Na-silicate solution 1.86                                 | No             | No              | No              |
| Disodium carbonate, compound with hydrogen peroxide (2:3) | No             | No              | No              |
| Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.          | No             | No              | No              |

### Carcinogenicity

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).

### Mutagenicity

None of the ingredients in this product are known to cause mutagenicity.

### Toxicity to reproduction

None of the ingredients in this product are known to have reproductive, fetal, or developmental hazards.

## 12. ECOLOGICAL INFORMATION

### Aquatic Toxicity:

This product is anticipated to be safe for the environment at concentrations predicted in household settings under normal use conditions. 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.

### 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:** The persistence and degradability of this product has not been determined. The hazardous ingredients are readily biodegradable.

| Hazardous substances                             | Result value          | Route of application | Species | Method                    |
|--------------------------------------------------|-----------------------|----------------------|---------|---------------------------|
| Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. | Readily biodegradable | No data              | > 60 %  | OECD 301 F (Respirometry) |

**Bioaccumulation Potential:** The bioaccumulation potential of this product has not been determined.

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

## 13. DISPOSAL CONSIDERATIONS

**Waste Number and Description:** Not applicable, not regulated.

### Disposal Considerations:

|                                                                                       |             |
|---------------------------------------------------------------------------------------|-------------|
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|                                |                                                                                                                            |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>Disposal of products:</b>   | This product is not a RCRA hazardous waste and can be disposed of in accordance with federal, state and local regulations. |
| <b>Disposal of packages:</b>   | Place in trash.                                                                                                            |
| <b>Additional information:</b> | Observe all federal, state and local regulations when storing or disposing of this substance                               |

## 14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

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

|                                  |               |
|----------------------------------|---------------|
| <b>Proper shipping name:</b>     | Not regulated |
| <b>Hazard class or division:</b> | None          |
| <b>Identification number:</b>    | None          |
| <b>Packing group:</b>            | None          |

### International Air Transportation (ICAO/IATA)

|                                  |               |
|----------------------------------|---------------|
| <b>Proper shipping name:</b>     | Not regulated |
| <b>Hazard class or division:</b> | None          |
| <b>Identification number:</b>    | None          |
| <b>Packing group:</b>            | None          |

### Water Transportation (IMO/IMDG)

|                                  |               |
|----------------------------------|---------------|
| <b>Proper shipping name:</b>     | Not regulated |
| <b>Hazard class or division:</b> | None          |
| <b>Identification number:</b>    | None          |
| <b>Packing group:</b>            | None          |

## 15. REGULATORY INFORMATION

**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:** 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/NDL 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.

## 16. OTHER INFORMATION

**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:** 2, 12, 15

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

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