



Revision Number: 001.4

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

Product identifier used on the label: Borateem Color Safe Bleach Original

Recommended use of the chemical and restrictions on use: Bleach 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 |
|---------------------|-----------------|
| OXIDIZING SOLID | 3 |
| ACUTE TOXICITY ORAL | 4 |
| SKIN IRRITATION | 2 |
| 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 sw allowed.
Causes skin irritation.
Causes serious 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.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves, eye protection, and face protection.

Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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.
Take off contaminated clothing.
In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.

Storage: Not prescribed

Disposal: Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Hazards not otherwise Not available.

RS Number: 541109

classified:

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, C10-13-alkyl derivs., sodium salts | 68411-30-3 | 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.
Skin contact: Rinse affected area with large amounts of water until no evidence of product remains. 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: Repeated or prolonged excessive exposure may cause irritation with redness, blistering, skin damage or dermatitis. After ingestion: Ingestion may cause pain, burning, swelling and redness in the mouth and throat. Nausea and vomiting may occur. Harmful if swallowed. 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 inhalation: Remove from exposure area to fresh air. Contact physician or local poison control center. After ingestion: Administer immediately plenty of water. With ingestion of larger quantities (in adults one tablespoon) or in the case of discomfort or pain seek immediate medical attention. 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. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Avoid breathing vapors, keep upwind. Isolate area. 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 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

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. Dispose in suitable waste container. Keep unnecessary people away from spill.

7. HANDLING AND STORAGE

Precautions for safe handling

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. Do not get in eyes.

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 TLV | OSHA PEL | AIHA WEEL | OTHER |
|---------------------------|-----------|----------|-----------|-------|
| Sodium chloride | None | None | None | None |
| Sodium carbonate | None | None | None | None |
| Na-silicate solution 1.86 | 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. Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode.

Individual protection measures

- Respiratory:** 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).
- Eye:** Safety glasses are required to prevent eye contact where dusty conditions 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

| | |
|---|-----------------------|
| Appearance: | pow der w hite |
| Odor: | floral, green, w oody |
| Odor threshold: | Not available. |
| pH: | 10.9 |
| Melting point/ range: | Not available. |
| Boiling point/range: | Not available. |
| Flash point: | Not applicable |
| Evaporation rate: | Not available. |
| Flam m able/Explosive limits - lower: | Not available. |
| Flam m able/Explosive limits - upper: | Not available. |
| Vapor pressure: | Not available. |
| Vapor density: | Not available. |
| Solubility in water: | Soluble |
| Partition coefficient (n-octanol/water): | Not available. |
| Autoignition temperature: | Not available. |
| Decom position temperature: | Not available. |
| Viscosity: | Not available. |
| VOC content: | Not available. |

10. STABILITY AND REACTIVITY

| | |
|--|--|
| Reactivity: | This product may react w ith strong reducing agents. This product reacts with acids. |
| 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 and avoid extremes of temperature. |
| Incom patible 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 w ith coughing, dryness and sore throat. |
| Skin contact: | May cause severe irritation, pain and possibly chemical burns. |
| Eye contact: | May cause moderate to severe irritation, w ith 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 | Im m ediate and Delayed Health Effects |
|--|--|--|
| Sodium chloride | Oral LD50 (RAT) = 3,000 mg/kg | Irritant |
| Sodium carbonate | Oral LD50 (RAT) = 4,090 mg/kg 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 Oral LD50 (RAT) = 1.1 g/kg | Corrosive, Irritant |
| Disodium carbonate, compound w ith hydrogen peroxide (2:3) | None | No Data |
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts | None | 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, C10-13-alkyl derivs., sodium salts | 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 for reproduction

None of the ingredients in this product are known as 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

| Hazardous substances CAS-No. | Result value | Route of application | Species | Method |
|--|-----------------------|----------------------|---------|---|
| Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts 68411-30-3 | readily biodegradable | aerobic | 85 % | OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test) |

Bioaccumulative potential

The bioaccumulation potential of this product has not been determined.
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: Place in trash.

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

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:
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/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: New Safety Data Sheet format.

Prepared by: R&D Support Services

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