

Boulder (previously Bright Safe)

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	Boulder
Product Use	Color-Safe Oxygen Bleach
Product Code	4043
For Medical Emergency	Call Chemtrec 1-800-424-9300
Supplier's Information	Cleanslate Inc. 1420 East Linden Avenue, Linden NJ 07036

2. HAZARD IDENTIFICATION

GHS Classification.

1. Oxidizing Liquids - Category 2
2. Acute toxicity, oral - Category 4
3. Skin corrosion/irritation - Category 1A
4. Serious eye damage/eye irritation - Category 1
5. Specific target organ toxicity, single exposure - Category 3 respiratory tract irritation

GHS Label Element.



Signal Word.

Danger

Hazard Statement. May intensify fire; oxidizer. Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage. May cause respiratory irritation.

Precautionary Statements. Keep away from heat. Keep/Store away from clothing and other combustible materials. Take any precaution to avoid mixing with combustibles. Do not breathe mist/vapors. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Acute Effects

Eyes. Corrosive to eyes.

Skin. Corrosive to skin.

Inhalation. Slightly irritating to respiratory system.

Ingestion. Causes burns to mouth, throat and stomach. May be harmful if swallowed.

Chronic Effects

Carcinogenicity. No known critical effects or critical hazards.

Product /Ingredient Name. Not available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name of Hazardous Ingredients	CAS No.	WT.%
Hydrogen Peroxide	7722-84-1	30-34

4. FIRST AID MEASURES

Eye Contact. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately

Skin Contact. If on clothing: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.

Inhalation. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

Ingestion. Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Most important symptoms/effects, acute and delayed: Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation.

Indication of immediate medical attention and special treatment needed: Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General Information Take off all contaminated clothing immediately. Contact with combustible material may cause fire. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the materials involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

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5. FIRE FIGHTING MEASURES

Suitable Fire Extinguishing Media. Water fog, foam, dry chemical powder, Carbon dioxide (CO₂).

Unsuitable Extinguishable Media. Do not use water jet as an extinguisher, as this will spread the fire.

Specific Hazards Arising from the Chemical. Greatly increases the burning rate of combustible materials. Containers may explode when heated. During fire, gases hazardous to health may be formed.

Special Protective Equipment and Precautions for Firefighters. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire Fighting Equipment/Instructions. In case of fire and /or explosion do not breathe fumes. In case of fire: Stop leak if safe to do so. Move containers from fire area if you can do so without risk.

Specific Methods. Use standard firefighting procedures and consider the hazards of other involved materials.

General Fire Hazards. May intensify fire; oxidizer. Contact with combustible material may cause fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep away from clothing and other combustible materials. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up: Use water spray to reduce vapors or divert vapor cloud drift. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Ventilate the contaminated area. Wear appropriate protective equipment and clothing during clean-up.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions: Avoid discharge into drains, water courses or onto the ground.

7. HANDLING AND STORAGE

Handling. Keep away from heat. Take any precaution to avoid mixing combustibles. Keep away from clothing and other combustible materials. Do not breathe mist/vapors. Do not get in eyes, on skins, or on clothing. Do not taste swallow. Avoid prolonged exposure. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

Storage. Store locked. Keep away from heat. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Do not store near combustible materials. Store away from incompatible materials (see Section 10 of the SDS).

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**8. EXPOSURE CONTROLS/
PERSONAL PROTECTION**

Ingredients Name

Hydrogen Peroxide

Exposure Limits

OSHA PEL 1.4 mg/m³

Appropriate Engineering Controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

The following are recommendations for Personnel Protective Equipment (PPE). The employer/user of this product must perform a Hazard Assessment of the workplace according to OSHA regulations 29 CFR 1910.132 to determine the appropriate PPE for use while performing any task involving potential exposure to this product.

Personal Protective Equipment

Eyes. Wear safety glasses with side shields (or goggles) and a face shield.

Skin. Wear appropriate chemical resistant gloves. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

Body. Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory. In case of insufficient ventilation, wear suitable respiratory equipment. Chemical respirator with organic vapor cartridge.

Thermal hazards. Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations. Keep from contact with clothing and other combustible materials. Remove and wash contaminated clothing promptly. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. PHYSICAL AND
CHEMICAL PROPERTIES**

Physical State	Liquid
Color	Clear Colorless
Odor	Pungent
pH	3
Flash point	None
Explosion limits	Not available
Flammability (solid, gas)	Not available
Melting point	-27°F (-32.78° C)
Boiling point	Not available
Evaporation rate (butyl acetate = 1)	Not available
Vapor pressure	Not available
Vapor density	Not available
Density	9.31 lbs/gal 1.12 g/ml
Solubility	Not available
Partition coefficient n-octano/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Odor threshold	Not available
Viscosity	Not available

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10. STABILITY AND REACTIVITY

Reactivity. Greatly increases the burning rate of combustible materials.
Chemical Stability. Material is stable under normal conditions.
Possibility of hazardous reactions. Hazardous polymerization does not occur.
Conditions to avoid. Heat. Contact with incompatible materials.
Incompatible materials. Combustible material. Reducing agents.
Hazardous decomposition products. No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

Product/Ingredient Name	Result	Species	Dose
Hydrogen Peroxide	LD50 Oral	Rat	N/A

12. ECOLOGICAL INFORMATION

N/A

13. DISPOSAL CONSIDERATIONS

Waste Information.
 Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

14. TRANSPORT INFORMATION

Regulatory Information	UN Number	Proper Shipping Name	Classes	PG*	Label
DOT Classification	UN2014	Hydrogen Peroxide- aqueous solutions with not less than 20 percent but not more than 40 percent hydrogen peroxide	5.1, (8)	II	

Note. DOT classification applies to most package sizes. For specific container size classifications or size exceptions, refer to the bill of lading with your shipment.

PG*. Packing Group

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15. REGULATORY INFORMATION

U.S. Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D). Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4). Not listed.

SARA 304 Emergency release notification. Hydrogen Peroxide (CONC.>52%) 1000 LBS (CAS 7722-84-1)

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053). Not listed.

SARA 302	Product Name	CAS Number	Reportably quantity (lbs)	Threshold planning quantity (lbs)
Extremely Hazardous substance	HYDROGEN PEROXIDE (H2O2)	7722-84-1	1000	1000

SARA 311/312 Hazardous. Yes.

Classified hazard categories. Oxidizer (liquid, solid, or gas), Acute toxicity (any route of exposure), Skin corrosion or irritation, Serious eye damage or eye irritation , Specific target organ toxicity (single or repeated exposure).

SARA 313 (TRI reporting). Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List. Not regulated.

Clean Air Act (CAA) Section 112(r) Hazardous Air Pollutants (40 CFR 68.130). Not regulated.

Safe Drinking Water Act (SDWA). Not regulated.

US state regulations

California Proposition 65

California Safe Drink Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not know to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

16. OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy of completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. **Date of Issue: 02/21/2023**

***Hazard Determination System (HDS):**

Health	3
Reactivity	1
Flammability	0

*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimum hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.