

SAFETY DATA SHEET

HY-PER BRITE CSB	SDS Number: LB-343	Revision Date: 06/29/2016
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1. PRODUCT AND COMPANY IDENTIFICATION:

Product Name: HY-PER BRITE CSB
 Product Code: LB-343
 Product Use: Non-Chlorine Laundry Bleaching Agent
 Synonyms: Peroxide-Based Laundry Bleach
 Chemical Formula: Mixture of substances listed below with nonhazardous additions
 Restrictions: Institutional Laundry Use Only



Manufacturer: Surtec, Inc.
 1880 N. MacArthur Dr
 Tracy, CA 95376
 209.820.3700
 Toll Free 800.877.6330

Emergency contact: Chemtrec 800.424.9300
 CCN No. 21541

2. HAZARD IDENTIFICATION:

GHS CLASSIFICATION:

<u>HEALTH</u>	<u>ENVIRONMENTAL</u>	<u>PHYSICAL</u>
<p><i>Acute toxicity, Oral: Category 4</i> <i>Acute toxicity, Inhalation: Category 5</i> <i>Serious Eye Damage/Eye Irritation: Category 1</i> <i>Skin Corrosion/Irritation: Category 1</i></p>	<p><i>Acute Toxicity: None Known</i> <i>Chronic Toxicity: None Known</i></p>	<p><i>Oxidizing Liquid: Category 2</i></p>
<p><u>GHS Pictogram</u></p>	<p><u>Signal Word:</u> Danger</p>	
<p><u>Hazard Statements</u></p> <p>May cause fire or explosion: strong oxidizer May intensify fire: oxidizer Harmful if swallowed Causes severe skin burns and eye damage May be harmful if inhaled</p>		
<p><u>Precautionary Statements</u></p> <p>Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing mist, vapors or spray.</p> <p>IF IN EYES: Rinse with water for several minutes. Immediately call a POISON CENTER or physician. IF ON SKIN: Remove immediately all contaminated clothing Rinse skin with water for several minutes. Immediately call a POISON CENTER or physician. Wash contaminated clothing before reuse. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or physician. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician.</p> <p>Keep/store away from clothing/combustible materials. Keep away from heat/sparks/open flames/hot surfaces. – No smoking.</p>		

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Store locked up and in a closed, original vented container.
Dispose of contents/container in accordance with local regulation.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

INGREDIENT	CAS NO.	PERCENT	HAZARDOUS
HYDROGEN PEROXIDE	7722-84-1	20 - 40%	YES
Exact Percentages are being withheld as trade secret information.			

4. FIRST-AID MEASURES:

Eye Contact: Rinse with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing lifting upper and lower eyelids occasionally. Immediately call a POISON CENTER or physician.

Skin Contact: Remove immediately all contaminated clothing. Rinse skin with water for several minutes. Immediately call a POISON CENTER or 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 physician.

Ingestion: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or physician.

5. FIRE-FIGHTING MEASURES:

Fire Extinguishing media: Use water spray, CO₂, extinguishing powder, regular foam.

Hazards during fire-fighting:

Material is non-combustible, but is a strong oxidizer and may support combustion. Containers may rupture when exposed to extreme heat. Released oxygen from decomposition of hydrogen peroxide may support combustion.

Protective equipment for fire-fighting:

Wear NFPA-approved self-contained breathing apparatus, helmet, hood, boots and gloves.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions:

Use recommended personal protective clothing and equipment.

Environmental precautions:

Follow all Federal, State and Local regulations when storing and disposing of substances. Do not allow material to run off of work area, and material should be absorbed, collected and disposed of in accordance with regulations. Keep product from entering storm drains. Do not allow undiluted material to enter sewer or drains. Material is an oxidizer and can increase the flammability of combustible materials. Consult local and federal guidelines for proper disposal of these materials.

Cleanup:

- For small amounts of released material: Flush with water to dilute. Mop or vacuum up then transfer to suitable container for disposal. - For large amounts of released material: Flush with copious amounts of water to dilute. Dike around spilled material with suitable (inert) absorbent to contain. Spilled material may be mopped or vacuumed up, then transferred to plastic containers for disposal.

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7. HANDLING and STORAGE:

Handling:

General advice - No specific measures are necessary provided product and recommended protective clothing/equipment are used correctly. Material contains a strong oxidizer. Avoid contact of concentrated material with organic material. Do not mix with other chemicals. This is a commercial product, not intended for home use. Keep out of reach of children.

Storage:

General advice - Protect against physical damage. Store in tightly closed, original vented containers in a cool, well ventilated area. Keep locked up.

Shelf Life:

12 months

8. EXPOSURE CONTROLS and PERSONAL PROTECTION:

Advice on system design:

Provide local exhaust ventilation to control vapors for published exposure limits.

Personal protective equipment (HMIS rating 'B'):

Eye protection: Wear safety glasses with side shields or safety goggles to prevent exposure or full face shield if splash hazard exists.

Skin protection: Chemical-resistant gloves. Wear appropriate protective clothing to prevent possible skin contact.

Respiratory protection: Not normally required. Avoid breathing mists or spray. Use proper NIOSH-OSHA respirator if ventilation is inadequate.

General safety and hygiene measures: Exercise stringent hygiene practices to minimize exposure. This material contains a strong oxidizer which can support combustion. If contact occurs, wash any body part with soap and water immediately. Any organic materials contacted by concentrated product, including clothing and equipment, should be rinsed immediately or washed soon after contact. Wash hands after use, and before eating, drinking or smoking.

Other protective measures:

Nearby running water on the job site is necessary, should an accident occur.

Exposure Guidelines:

ACGIH TLV: 1 ppm (7722-84-1)
 STEL: None
 OSHA PEL: 1 ppm (7722-84-1)

9. PHYSICAL and CHEMICAL PROPERTIES:

Appearance:	Clear Colorless Liquid	Flash Point:	None
Odor:	Slightly Pungent	Upper/Lower Flammability Limits:	No information available
pH value:	3.0 ± 0.5	Relative Density (water):	1.2
Specific gravity:	1.2 (H2O = 1)	Auto-Ignition Temperature:	No information available
Solidification temperature:	No information available	Decomposition temperature:	No information available
Freezing/Melting point:	-13 °F (-25 °C)	Partition Coefficient	No information available
Boiling point:	226°F (108 °C)	Odor Threshold	No information available
Vapor density:	No information available	Viscosity:	< 10 cps.
Vapor pressure:	No information available	Partition Coefficient	No information available
Evaporation Rate:	No information available	Solubility in water:	100%
Regulatory VOC:	N/A		

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10. STABILITY and REACTIVITY:

Conditions to avoid: Excessive heat, flame and contact with combustible materials.

Substances to avoid: Strong acids and bases (alkalis), bleach, reducing agents, metals, and organic materials.

Hazardous reactions: Product is chemically stable, if uncontaminated, under normal conditions of use and storage, but slowly decomposes to release oxygen.

Decomposition or By-products: In fire conditions: Decomposes to water and oxygen with rapid heat release. Can decompose violently upon heating

11. TOXICOLOGY INFORMATION:

Acute Toxicity(Symptoms):

Oral: Corrosive and irritating to the mouth, throat and stomach. Large doses may cause nausea, vomiting, diarrhea, and possible internal tissue destruction.

Eye irritation: Direct contact may cause serious irritation, pain, redness, and possible tissue damage. Vapors can be very corrosive.

Skin irritation: Can cause redness, pain, blistering and severe skin burns.

Inhalation: Corrosive vapors can cause irritation to the respiratory tract. Inhalation of mists can burn mucous membranes and throat.

Sensitization: Skin: N/A. Respiratory: N/A

Numerical Measures of Toxicity:

Calculated Acute Toxicity Estimates (ATE) based on available information.

ATEmix (oral): 1518 mg/kg

Chronic Toxicity:

Other information: No carcinogenic substances as defined by ACGIH, IARC, NTP and/or OSHA.

12. ECOLOGICAL INFORMATION:

Biodegradation:

Test method: Unspecified

Analysis method: Unspecified

Degree of elimination: Expected to be biodegradable.

Environmental toxicity:

Acute and prolonged toxicity to fish: Not Established

Toxicity to microorganisms: Not Established

Other ecotoxicological advice: Not Established

14. TRANSPORTATION INFORMATION:

DOT:

UN/ID No: 2014

Proper Shipping Name: HYDROGEN PEROXIDES, AQUEOUS SOLUTIONS

Hazard Class: 5.1(8)

Packing Group: II

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15. REGULATORY INFORMATION:

Federal Regulations:

Registration status:

TSCA, US:

All components are listed or exempt.

SARA hazard category (EPCRA 311/312):

Fire hazard

Acute health hazard

SARA TITLE III, SECTION 313:

CAS Number: _____ Chemical Name:

None

State Regulations:

Chemicals known to the State of California to cause cancer, birth defects or other reproductive harm

CAS Number: _____ Chemical Name:

None

16. OTHER INFORMATION:

NFPA Rating:

Health: 2

Fire: 0

Reactivity: 1

Special Hazard: Oxy

HMIS III Rating:

Health: 2

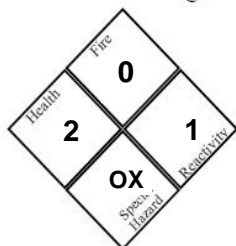
Flammability: 0

Physical Hazard: 1

Personal Protection: B (safety glasses with side shields and chemical-resistant gloves)

Both NFPA and HMIS III rating systems use a numbering scale that ranges from 0 to 4 to indicate the degree of hazard. A value of zero means the substance possesses no hazard while a value of four indicates high hazard.

NFPA Rating



HMIS Rating

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	1
PERSONAL PROTECTION	B

Prepared by: Surtec, Inc. 06/29/2016 **Revision No.:** 01

Local Contact Information:

Surtec, Inc.

209-820 3700; Toll Free 800-877-6330 (8 a.m. to 5 p.m., M-F, PST)

www.surtecsystem.com

Notice: The information provided is accurate to the best of our knowledge and is offered in good faith. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in specific context of the intended use and determine whether they are appropriate.

Warranty: This is a proprietary SURTEC product, warranted to be of uniform quality within our stringent manufacturing tolerances. As no control is exercised over product use, no warranty is made as to the effects of such use (neither expressed nor implied). Obligation of the seller and manufacturer under this warranty shall be limited to a refund of the purchase price of that portion of the material proven to be defective. The user assumes all other risk and liability resulting from uses of this product. Contact SURTEC with any questions regarding this policy.