



# SAFETY DATA SHEET

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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### GHS product identifier

Product Name BRIGHT DESTAINER BRIGHTENER

### Other means of identification

Product Code(s) 213200

Synonyms N/A

### Recommended use of the chemical and restrictions on use

Recommended Use Cleaning Agent/Cleaner

Uses advised against No Information Available

### Supplier's details

#### Supplier Address

Birsch Industries  
476 Viking Drive  
Virginia Beach, VA. 23452  
TEL: 757-622-0355

### Emergency telephone number

Emergency Telephone Number CHEM-TEL, INC.  
24 Hour Emergency Contact 1-800-255-3924

## 2. HAZARDS IDENTIFICATION

### Classification

SERIOUS EYE DAMAGE – Category 1  
OXIDIZING LIQUID – Category 2  
ACUTE TOXICITY/INHALATION – Category 4

### GHS Label elements, including precautionary statements

#### Emergency Overview

Signal Word DANGER

**Hazard Statements**

- May intensify fire; oxidizer
- Harmful if inhaled
- Causes serious eye damage

**Appearance** Colorless**Physical State** Liquid**Odor** Characteristic**Symbol:****Precautionary Statements****Prevention**

Wear protective gloves and eye protection. Avoid breathing mist, vapors, or spray.

**General Advice**

Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Keep/Store away from clothing/combustible materials. IN CASE OF FIRE, use for extinction; CO<sub>2</sub>, powder or water spray. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Eyes**

IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

**Inhalation**

IF INHALED, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Synonyms**

Chemical Name	CAS-No	Weight %	Notes
Hydrogen Peroxide	7722-84-1	10 – 20	*

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**Description of necessary first-aid measures****General Information**

Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident. Take affected persons out into the fresh air.

**Eye Contact**

Remove contact lenses if worn. Rinse opened eye for several minutes under running water. Then consult a doctor.

**Skin Contact**

Immediately wash with water.

**Inhalation**

Supply fresh air. Seek immediate medical advice. Seek medical treatment in case of complaints.

**Ingestion** Rinse out mouth and then drink plenty of water. Do NOT induce vomiting; immediately call for medical help.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to Physician** Irritating to eyes and skin. Gastric or intestinal disorders when ingested. Coughing. Breathing difficulty. Causes serious eye damage. Harmful if inhaled.

**Indication of Any Immediate Medical Attention and Special Treatment** Medical supervision for at least 48 hours. If necessary, oxygen respiration treatment.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Specific Hazards Arising from the Chemical**

May intensify fire; oxidizer

**Hazardous Thermal Decomposition Products**

No information available

**Specific Fire-Fighting Methods**

No information available

**Protective Equipment and Precautions for Firefighters**

Wear self-contained respiratory protective device. Wear fully protective suit. Cool endangered product with water spray.

## 6. ACCIDENTAL RELEASE MEASURES

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

**Personal Precautions** Use respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

**Environmental Precautions**

**Environmental Precautions** Dilute with plenty of water.

**Methods and materials for containment and cleaning up**

**Methods for Cleaning Up** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Send for recovery or disposal in suitable receptacles. Clean the affected area carefully with warm water.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Handling** Prevent formation of aerosols. Avoid splashes or spray in enclosed areas. May intensify fire; oxidizer. Contact with combustible material may cause fire.

**Conditions for safe storage, including any incompatibilities**

**Storage** Provide ventilation for receptacles. Store only in the original receptacle. Store away from foodstuffs. Store away from flammable substances.

**Incompatible Products** Store in cool, dry conditions in well sealed receptacles.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters****Components with limit values that require monitoring at the workplace:**

	<b>7722-84-1 Hydrogen Peroxide</b>
<b>PEL (USA)</b>	Long-term value: 1.4 mg/m <sup>3</sup> , 1 ppm
<b>REL (USA)</b>	Long-term value: 1.4 mg/m <sup>3</sup> , 1 ppm
<b>TLV (USA)</b>	Long-term value: 1.4 mg/m <sup>3</sup> , 1 ppm
<b>EL (Canada)</b>	Long-term value: 1 ppm
<b>EV (Canada)</b>	Long-term value: 1.4 mg/m <sup>3</sup> , 1 ppm
<b>LMPE (Mexico)</b>	Long-term value: 1 ppm

**General protective and hygienic measures**

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Do not inhale gases/fumes/aerosols.

**Appropriate engineering controls**

No information available.

**Individual protection measures, such as personal protective equipment**

**Eye & Face Protection** Safety glasses.

**Hand & Skin Protection** Protective gloves. Protective work clothing.

**Respiratory Protection** Not required under normal conditions of use. For spills, respiratory protection may be advisable. Use suitable respiratory protective device when aerosol or mist is formed.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practices.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

Physical State	Liquid	Appearance	Colorless
Odor	Characteristic	Odor Threshold	No information available
<u>Property</u>	<u>Values</u>		
pH	5.4		
Melting Point/Range	No data available		
Boiling Point/Boiling Range	100° C		
Flash Point	N/A		
Evaporation rate	No data available		
Flammability (solid, gas)	No data available		
Flammability Limits in Air			
upper flammability limit	No data available		
lower flammability limit	No data available		
Vapor Pressure	23 hPa (17 mm Hg)		
Vapor Density	No data available		
Relative Density	No data available		
Specific Gravity	No data available		
Water Solubility	100		
Solubility in other solvents	No data available		
Partition coefficient: n-octanol/water	No data available		
Autoignition Temperature	No data available		
Decomposition Temperature	No data available		
Viscosity	No data available		
Flammable Properties	No data available		
Explosive Properties	No data available		
Oxidizing Properties	No data available		

## 10. STABILITY AND REACTIVITY

### Stability

The product is stable

### Possibility of hazardous reactions

May intensify fire; oxidizer. Acts as an oxidizing agent on organic materials such as wood, paper and fats.

### Conditions to avoid

No information available

### Incompatible materials

No information available

### Hazardous decomposition products

Oxygen

## 11. TOXICOLOGICAL INFORMATION

### Route of Exposure

Skin contact, Eye contact, Inhalation, Ingestion

7722-84-1 Hydrogen Peroxide		
Oral	LD50	376 mg/kg (Rat)
Inhalative	LD50 (4 hr)	2.0 mg/l (Rat)

### Symptoms

<b>Eye Contact</b>	Slight irritant with the danger of severe eye injury.
<b>Skin Contact</b>	Slight irritant effect on skin and mucous membranes.
<b>Inhalation</b>	Harmful in inhaled.

### Chronic Toxicity

<b>Carcinogenicity</b>	No known significant effects or critical hazards.
<b>Mutagenicity</b>	No known significant effects or critical hazards.
<b>Teratogenicity</b>	No known significant effects or critical hazards.
<b>Developmental Effects</b>	No known significant effects or critical hazards.
<b>Fertility Effects</b>	No known significant effects or critical hazards.

## 12. ECOLOGICAL INFORMATION

### Toxicity

No further relevant information available.

### Behavior in Environmental Systems

No further relevant information available

### Additional Ecological Information

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods** Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

**Uncleaned Packaging** Disposal must be made according to official regulations.

## 14. TRANSPORT INFORMATION

### DOT

<b>UN Number</b>	UN2984
<b>Proper Shipping Name</b>	Hydrogen peroxide, aqueous solutions
<b>Hazard Class</b>	5.1
<b>Packing Group</b>	III
<b>Description</b>	UN2987, Hydrogen peroxide, aqueous solutions, 5.1, III

## 15. REGULATORY INFORMATION

### International Inventories

<b>TSCA</b>	Complies
<b>DSL</b>	Complies

### U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

### SARA 311/312 Hazard Categories

The following substance is classified as an extremely hazardous substance under SARA:  
7722-84-1 Hydrogen peroxide

### Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

### California Proposition 65

This product does not contain any substances regulated by California Proposition 65.

### US State Right-To-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations.

## 16. OTHER INFORMATION

<b><u>NFPA</u></b>	<b>Health 2</b>	<b>Flammability 3</b>	<b>Instability 0</b>
<b><u>HMIS</u></b>	<b>Health 2</b>	<b>Flammability 3</b>	<b>Physical Hazards 0</b>

<b>Prepared By</b>	Birsch Industries 476 Viking Drive Virginia Beach, VA. 23452 TEL: 757-622-0355
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**General Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**