



# SAFETY DATA SHEET

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

### GHS product identifier

Product Name GREEN HYDRO CLEAN GLASS CLEANER

### Other means of identification

Product Code(s) 200400G

Synonyms Hydro Clean

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

Recommended Use Glass 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/EYE IRRITATION – Category 2B

### GHS Label elements, including precautionary statements

#### Emergency Overview

Signal Word WARNING

#### Hazard Statements

- Causes serious eye irritation

**Appearance** Clear**Physical State** Liquid**Odor** Mild, Fragrance Added**Symbol:****Precautionary Statements****Prevention**

Wash face, hands and any exposed skin thoroughly after handling. Wear eye/face protection.

**Eyes**

IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation occurs.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Synonyms**

Chemical Name	CAS-No	Weight %	Notes
Hydrogen peroxide	7722-84-1	< 20	*
Surfactant	**	< 10	*
Citric Acid Monohydrate	5949-29-1	< 5	*

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

\*\* The exact composition has been withheld as a trade secret.

**4. FIRST AID MEASURES****Description of necessary first-aid measures****Eye Contact**

If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation occurs.

**Skin Contact**

Wash off immediately with plenty of water. If skin irritation persists, call a physician.

**Inhalation**

Remove to fresh air. If symptoms persist, call a physician.

**Ingestion**

Drink plenty of water. Call a POISON CENTER or doctor/physician if you feel unwell.

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

Exposed individuals may experience eye tearing, redness and discomfort.

Treat symptomatically.

**Indication of Any Immediate Medical Attention and Special 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**

No determined

**Hazardous Thermal Decomposition Products**

No information available

**Specific Fire-Fighting Methods**

No information available

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

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

**Personal Precautions** Use personal protective equipment as required.

**Environmental Precautions**

**Environmental Precautions** See Section 12 for additional ecological information.

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

**Methods for Cleaning Up** Prevent further leakage or spillage if safe to do so. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Handling** Handle in accordance with good industrial hygiene and safety practices. Use only in well ventilated areas. Do not breathe dust/fumes/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Use personal protection.

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

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible Products** Strong reducing agents.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrogen peroxide 7722-84-1	TWA: 1 ppm	TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup> (vacated) TWA: 1 ppm (vacated) TWA: 1.4 mg/m <sup>3</sup>	IDLH: 75 ppm TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup>

**Appropriate engineering controls**

Provide adequate ventilation. Eyewash stations.

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

**Eye & Face Protection** Wear approved safety goggles where a splash hazard exists.

**Hand & Skin Protection** Wear suitable protective clothing.

**Respiratory Protection** Ensure adequate ventilation, especially in confined areas.

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	<b>Appearance</b>	Clear
<b>Odor</b>	Mild, Fragrance Added	<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>
<b>pH - Concentrate</b>	3.0 – 3.5
<b>pH – At-Used Product</b>	6.5 – 7.5
<b>Melting Point/Range</b>	No data available
<b>Boiling Point/Boiling Range</b>	No data available
<b>Flash Point</b>	Non-flammable
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Flammability Limits in Air</b>	
upper flammability limit	No data available
lower flammability limit	No data available
<b>Vapor Pressure</b>	No data available
<b>Vapor Density</b>	No data available
<b>Relative Density</b>	No data available
<b>Specific Gravity</b>	No data available
<b>Water Solubility</b>	100
<b>Solubility in other solvents</b>	No data available
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Autoignition Temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Flammable Properties</b>	No data available
<b>Explosive Properties</b>	No data available
<b>Oxidizing Properties</b>	No data available

## 10. STABILITY AND REACTIVITY

### Stability

The product is stable

### Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

### Conditions to avoid

No information available

### Incompatible materials

Strong reducing agents

### Hazardous decomposition products

No information available

## 11. TOXICOLOGICAL INFORMATION

### Component Information

<b>Chemical Name</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
Hydrogen peroxide 7722-84-1	= 801 mg/kg (Rat)	= 4060 mg/kg (Rat) = 2000 mg/kg (Rabbit)	= mg/L (Rat) 4h

**Likely Routes of Exposure**

Skin contact, Eye contact, Inhalation, Ingestion

**Symptoms**

**Eye Contact** Causes serious eye irritation.  
**Skin Contact** Avoid contact with skin.  
**Inhalation** Avoid breathing vapors or mists.  
**Ingestion** Do not taste or swallow.

**Chronic Toxicity**

**Carcinogenicity** Hydrogen peroxide(7722-84-1) – ACGIH –A3  
 IARC – Group 3  
**Mutagenicity** No known significant effects or critical hazards.  
**Teratogenicity** No known significant effects or critical hazards.  
**Developmental Effects** No known significant effects or critical hazards.  
**Fertility Effects** No known significant effects or critical hazards.

**12. ECOLOGICAL INFORMATION**

**Toxicity**

Chemical Name	Algae/Aquatic Plants	Fish	Crustacea
Hydrogen peroxide 7722-84-1	2.5: 72h Chlorella vulgaris mg/L EC50	16.4: 96h Pimephales promelas mg/L LC50 18-56: 96h Lepomis macrochirus mg/L LC50 static 10.0-32.0: 96h Oncorhynchus mykiss mg/L LC50 static	7.7: 24h Daphnia magna mg/L EC50 18-32: 48h Daphnia magna mg/L EC50 static

**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** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Uncleaned Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION**

<b>DOT</b> Not Regulated	<b>IATA</b> Not Regulated	<b>IMDG</b> Not Regulated
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**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA** Complies  
**DSL** 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**

No information available

**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**

Chemical Name	Hazardous Substances RQ's	CERCLA/SARA RQ	Reportable Quantity (RQ)
Hydrogen peroxide 7722-84-1		1000 lb	

**California Proposition 65**

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

**US State Right-To-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Hydrogen peroxide 7722-84-1	X	X	X

<b>16. OTHER INFORMATION</b>
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<b>NFPA</b>	Health 1	Flammability 0	Instability 0
<b>HMIS</b>	Health 1	Flammability 0	Physical Hazards 0

**Prepared By**

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

**Issuing Date**

No information available

**Revision Date**

19-March 2015

**Revision Note**

N/A

**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**