



SAFETY DATA SHEET

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Revision Number 0

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

GHS product identifier

Product Name GREEN HYDRO CLEAN

Other means of identification

Product Code(s) 200400

Synonyms Hydro Clean

Recommended use of the chemical and restrictions on use

Recommended Use Multipurpose 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 ³ (vacated) TWA: 1 ppm (vacated) TWA: 1.4 mg/m ³	IDLH: 75 ppm TWA: 1 ppm TWA: 1.4 mg/m ³

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

Physical State	Liquid	Appearance	Clear
Odor	Mild, Fragrance Added	Odor Threshold	No information available

<u>Property</u>	<u>Values</u>
pH - Concentrate	3.0 – 3.5
pH – At-Used Product	6.5 – 7.5
Melting Point/Range	No data available
Boiling Point/Boiling Range	No data available
Flash Point	Non-flammable
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	No data available
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

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

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
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**DOT**

Not Regulated

IATA

Not Regulated

IMDG

Not Regulated

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

16. OTHER INFORMATION

NFPA	Health 1	Flammability 0	Instability 0
HMIS	Health 1	Flammability 0	Physical Hazards 0

Prepared By

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Virginia Beach, VA. 23452
TEL: 757-622-0355

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No information available

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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