

## 1. Product and Company Identification

**Product Code:** HOSEHP4G  
**Product Name:** Environ HP  
**Company Name:** Hrubby Oribital Systems  
3275 Corporate View  
Vista, CA 92081  
**Phone Number:**  
(760)936-8054

**Emergency Contact:** Infotrac  
Domestic (800)535-5053  
Internat'l (352)323-3500

**Recommended Use:** Carpet Cleaner  
**Intended Use:** For sale to, use and storage by service persons only.

## 2. Hazards Identification

**Acute Toxicity: Oral, Category 4**  
**Skin Corrosion/Irritation, Category 2**  
**Serious Eye Damage/Eye Irritation, Category 2A**



**GHS Signal Word:** **Warning**

**GHS Hazard Phrases:** Harmful if swallowed.  
Causes skin irritation.  
Causes serious eye irritation.

**GHS Precaution Phrases:** Do not eat, drink or smoke when using this product.  
Wear protective gloves, protective clothing, eye protection, face protection.  
Take off contaminated clothing and wash it before reuse.  
Keep out of reach of children.

**GHS Response Phrases:** If swallowed: Immediately call a Poison Center or doctor. Rinse mouth.  
If on skin (or in hair): Wash with plenty of soap and water.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Get medical attention/advice if you feel unwell.

**GHS Storage and Disposal Phrases:** Store in cool dry place at room temperature away from direct sunlight. Dispose of contents and container according to the local, city, state and federal regulations.

**Potential Health Effects (Acute and Chronic):**

**Inhalation:** Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.

**Skin Contact:** May cause skin irritation.

**Eye Contact:** Causes severe eye irritation.

**Ingestion:** Harmful if swallowed.

**Skin Absorption:** May be harmful if absorbed through the skin.

### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
38714-47-5	Zinc(2+), tetraammine-, (T-4)-, carbonate (1:1)	2.0 -5.0 %
7722-84-1	Hydrogen peroxide	1.0 -3.0 %
68515-73-1	D-Glucopyranose, oligomeric, decyl octyl glycosides	1.0 -3.0 %
110615-47-9	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	1.0 -3.0 %

### 4. First Aid Measures

#### Emergency and First Aid Procedures:

<b>In Case of Inhalation:</b>	If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
<b>In Case of Skin Contact:</b>	In case of contact, immediately wash skin with soap and copious amounts of water.
<b>In Case of Eye Contact:</b>	In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.
<b>In Case of Ingestion:</b>	If swallowed, wash out mouth with water provided person is conscious. Call a physician.
<b>Signs and Symptoms Of Exposure:</b>	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### 5. Fire Fighting Measures

<b>Flash Pt:</b>	NE Method Used: Estimate
<b>Explosive Limits:</b>	LEL: N/A UEL: N/A
<b>Autoignition Pt:</b>	NE
<b>Suitable Extinguishing Media:</b>	Suitable: Water spray.
<b>Fire Fighting Instructions:</b>	Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s):
<b>Flammable Properties and Hazards:</b>	No data available.

### 6. Accidental Release Measures

<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL. Evacuate area. PROCEDURE(S) OF PERSONAL PRECAUTION(S) Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves. Methods for cleaning up: Absorb on sand or vermiculite and place in closed containers for disposal.
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### 7. Handling and Storage

<b>Precautions To Be Taken in Handling:</b>	User Exposure: Do not breathe vapor. Avoid contact with eyes, skin, and clothing.
<b>Precautions To Be Taken in Storing:</b>	Suitable: Keep tightly closed.

### 8. Exposure Controls/Personal Protection

## Environ HP

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
38714-47-5	Zinc(2+), tetraammine-, (T-4)-, carbonate (1:1)	No data.	No data.	No data.
7722-84-1	Hydrogen peroxide	PEL: 1 ppm	TLV: 1 ppm	No data.
68515-73-1	D-Glucopyranose, oligomeric, decyl octyl glycosides	No data.	No data.	No data.
110615-47-9	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	No data.	No data.	No data.

**Respiratory Equipment (Specify Type):** Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

**Eye Protection:** Chemical safety goggles.

**Protective Gloves:** No data available.

**Other Protective Clothing:** No data available.

**Engineering Controls (Ventilation etc.):** Safety shower and eye bath. Mechanical exhaust required.

**Work/Hygienic/Maintenance Practices:** Wash thoroughly after handling.

EXPOSURE LIMITS, RTECS.  
Country Source Type Value.  
USA MSHA Standard-air TWA 1 PPM (1.4 MG/M3)

### 9. Physical and Chemical Properties

**Physical States:** [ ] Gas [ X ] Liquid [ ] Solid

**Appearance and Odor:** Opaque white liquid with lemon fragrance.

**Melting Point:** NE

**Boiling Point:** >= 212.00 F

**Decomposition Temperature:** NE

**Autoignition Pt:** NE

**Flash Pt:** NE Method Used: Estimate

**Explosive Limits:** LEL: N/A UEL: N/A

**Specific Gravity (Water = 1):** 1.040

**Density:** ~ 8.67 LB/GA

**Bulk density:** NP

**Vapor Pressure (vs. Air or mm Hg):** NE

**Vapor Density (vs. Air = 1):** > 1

**Evaporation Rate:** NE

**Solubility in Water:** 100%

**Saturated Vapor Concentration:** NE

**Viscosity:** NP

**pH:** 5.0 - 6.0

**Percent Volatile:** No data.

**VOC / Volume:** 0.0000 G/L

Particle Size: NP  
Heat Value: NP  
Corrosion Rate: NP

## 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [ X ]

**Conditions To Avoid - Instability:** Extremes of temperature and direct sunlight. Excess heat.

**Incompatibility - Materials To Avoid:** Organic materials, excessive heat, soft metals and reducing agents. Aluminum and Soft Metals.

**Hazardous Decomposition Or Byproducts:** CO, CO<sub>2</sub>, Hydrogen.

**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]

**Conditions To Avoid - Hazardous Reactions:** None.

## 11. Toxicological Information

**Toxicological Information:** No data available.  
CAS# 7722-84-1:

**Carcinogenicity:** Acute toxicity, LD50, Oral, Rat, 1518. MG/KG.  
Results:  
Behavioral: Somnolence (general depressed activity).  
- Toho Igakkai Zasshi. Journal of Medical Society of Toho University., Toho Daigaku Igakkai, 21-16, Omori-nishi, 5-chome, Ota-ku, Tokyo 143 Japan, Vol/p/yr: 23,531, 1976  
NTP? No IARC Monographs? No OSHA Regulated? No

## 12. Ecological Information

**General Ecological Information:** No data available.

**Results of PBT and vPvB assessment:** CAS# 7722-84-1:  
Not reported., Dinoflagellate (Polykrikos schwartzii), 10000. - 1000000. UG/L,  
Reproduction, Water temperature: 22.00 C C.  
Results:  
Morphological changes.  
- Hydrogen Peroxide as an Extermination Agent Against Cysts of Red Tide and Toxic Dinoflagellates, Ichikawa, S., Y. Wakao, and Y. Fukuyo, 1993

## 13. Disposal Considerations

**Waste Disposal Method:** APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION.  
Contact a licensed professional waste disposal service to dispose of this material.  
Observe all federal, state, and local environmental regulations.

**14. Transport Information**

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not regulated as a hazardous material.

**DOT Hazard Class:**

**UN/NA Number:**

**LAND TRANSPORT (Canadian TDG):**

**TDG Shipping Name:** Not Regulated.

**MARINE TRANSPORT (IMDG/IMO):**

**IMDG/IMO Shipping Name:** Not Regulated.

**AIR TRANSPORT (ICAO/IATA):**

**ICAO/IATA Shipping Name:** Not Regulated.

**15. Regulatory Information**

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
38714-47-5	Zinc(2+), tetraammine-, (T-4)-, carbonate (1:1)	No	No	Yes-Cat. N982
7722-84-1	Hydrogen peroxide	Yes 1000 LB	No	No
68515-73-1	D-Glucopyranose, oligomeric, decyl octyl glycosides	No	No	No
110615-47-9	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	No	No	No

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**Other US EPA or State Lists**

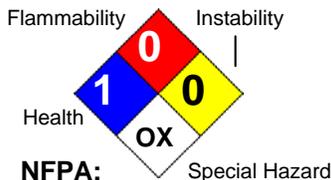
CA PROP.65: No; CA TAC, Title 8: TAC, Title 8  
 CA PROP.65: No; CA TAC, Title 8: Title 8  
 CA PROP.65: No; CA TAC, Title 8: No  
 CA PROP.65: No; CA TAC, Title 8: No

**16. Other Information**

**Hazard Rating System:**

HEALTH	1
FLAMMABILITY	0
PHYSICAL	0
PPE	B

**HMIS:**



**Revision Date:** 04/24/2015

**Additional Information About This Product:** No data available.