

1. Product and Company Identification

Product Code: HOSEHP4G
Product Name: Environ HP
Company Name: Hrubby Orbital Systems
3275 Corporate View
Vista, CA 92081
Emergency Contact: Infotrac
Phone Number: (760)936-8054
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.

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:

In Case of Inhalation:	If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
In Case of Skin Contact:	In case of contact, immediately wash skin with soap and copious amounts of water.
In Case of Eye Contact:	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.
In Case of Ingestion:	If swallowed, wash out mouth with water provided person is conscious. Call a physician.
Signs and Symptoms Of Exposure:	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

5. Fire Fighting Measures

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

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled:	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

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

8. Exposure Controls/Personal Protection

Environ HP

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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 - Extremes of temperature and direct sunlight. Excess heat.
Instability:
Incompatibility - Materials To Avoid: Organic materials, excessive heat, soft metals and reducing agents. Aluminum and Soft Metals.
Hazardous Decomposition Or Byproducts: CO, CO₂, Hydrogen.
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid - None.
Hazardous Reactions:

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

CAS #	Hazardous Components (Chemical Name)
38714-47-5	Zinc(2+), tetraammine-, (T-4)-, carbonate (1:1)
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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:



NFPA:

Revision Date: 04/24/2015

Additional Information About No data available.

This Product: