

1. Product and Company Identification

Product Code: TXCPSPENEC
Product Name: Environ Encapsulation Spotter
Company Name: ORBOT
 3275 Corporate View, Vista,
 CA 92081 USA
Phone Number:
 1 (760)936-8054
Web site address: orbotusa.com
Emergency Contact: Chemtrec 1 (800)424-9300
Recommended Use: Carpet Cleaner
Intended Use: For sale to, use and storage by service persons only.

2. Hazards Identification

Oxidizing Liquids, Category 3

Acute Toxicity: Oral, Category 4

Serious Eye Damage/Eye Irritation, Category 2A

Skin Corrosion/Irritation, Category 2



GHS Signal Word:

Warning

GHS Hazard Phrases:

H272 - May intensify fire; oxidizer.
 H302 - Harmful if swallowed.
 H319 - Causes serious eye irritation.
 H315 - Causes skin irritation.

GHS Precaution Phrases:

P210 - Keep away from heat, sparks, open flames, or hot surfaces. No smoking.
 P220 - Keep away from combustible materials.
 P221 - Take any precaution to avoid mixing with combustibles.
 P280 - Wear protective gloves, protective clothing, eye protection, face protection.
 P264 - Wash hands thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product.
 P362+364 - Take off contaminated clothing and wash it before reuse.

GHS Response Phrases:

P370+378 - In case of fire, use water to extinguish.
 P301+312 - If swallowed: Call a Poison Center or doctor if you feel unwell.
 P330 - Rinse mouth.
 P305+351+338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+313 - If eye irritation persists, get medical attention immediately.
 P302+352 - If on skin (or in hair): Wash with plenty of soap and water.
 P321 - Specific treatment see ... on this label.
 P332+313 - If skin irritation occurs, get medical attention immediately.

GHS Storage and Disposal Phrases:

P501 - Dispose of contents and container according to the local, city, state and federal regulations.



SAFETY DATA SHEET

Environ Encapsulation Spotter

Page: 2
Printed: 11/02/2017
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Potential Health Effects (Acute and Chronic):

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

Skin Contact: May be harmful if absorbed through the skin. 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)	Proprietary
7722-84-1	Hydrogen peroxide	Proprietary
68515-73-1	D-Glucopyranose, oligomeric, decyl octyl glycosides	Proprietary
110615-47-9	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	Proprietary
68439-46-3	Alcohol ethoxylate	Proprietary

4. First Aid Measures

Emergency and First Aid Procedures:

In Case of Inhalation: If inhaled, remove to fresh air. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid.

In Case of Skin Contact: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

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. Get medical aid immediately. Call a poison control center.

Note to Physician: Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Pt: NE

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: NE

Suitable Extinguishing Media: Suitable: Water spray. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

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

Flammable Properties and Hazards: No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Use personal protective equipment. Absorb on sand or vermiculite and place in closed containers for disposal. Flush area with flooding quantities of water.

7. Handling and Storage

Precautions To Be Taken in Handling: User Exposure: Do not breathe vapor. Use with adequate ventilation. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale.

Precautions To Be Taken in Storing: Suitable: Keep tightly closed. Store in a cool, dry place.

8. Exposure Controls/Personal Protection

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.
68439-46-3	Alcohol ethoxylate	No data.	No data.	No data.

Respiratory Equipment (Specify Type): Always use a NIOSH approved respirator when necessary.

Eye Protection: Safety glasses.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.): Use adequate ventilation to keep airborne concentrations low.

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

9. Physical and Chemical Properties

Physical States: ☐ Gas ☒ Liquid ☐ Solid

Appearance and Odor: Opaque white liquid with lemon fragrance. Clear colorless liquid with no odor.

Melting Point: NE

Boiling Point: > 212.00 F

Decomposition Temperature: NE

Autoignition Pt: NE

Flash Pt: NE

Explosive Limits: LEL: No data. UEL: No data.

Specific Gravity (Water = 1): ~ 1.030

Density: ~ 8.59 LB/GA

Bulk density: NE
Vapor Pressure (vs. Air or mm Hg): NE
Vapor Density (vs. Air = 1): NA
Evaporation Rate: NE
Solubility in Water: 100%
Saturated Vapor Concentration: NE
Viscosity: NP
pH: 4.0 - 6.0
Percent Volatile: No data.
VOC / Volume: 0.0000 G/L
Particle Size: NE
Heat Value: NE
Corrosion Rate: NE

10. Stability and Reactivity

Reactivity: Extremes of temperature and direct sunlight.
Stability: Unstable [X] Stable []
Conditions To Avoid - Instability: Incompatible materials, Extremes of temperature and direct sunlight.
Incompatibility - Materials To Avoid: Strong oxidizing agents, Strong acids, Strong bases, Metals. Heat, Strong reducing agents.
Hazardous Decomposition Or Byproducts: CO, CO₂, Hydrogen.
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions: No data available.

11. Toxicological Information

Toxicological Information: No data available.
Carcinogenicity/Other Information: CAS# 9002-92-0: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
38714-47-5	Zinc(2+), tetraammine-, (T-4)-, carbonate (1:1)	n.a.	n.a.	n.a.	n.a.
7722-84-1	Hydrogen peroxide	n.a.	3	A3	n.a.
68515-73-1	D-Glucopyranose, oligomeric, decyl octyl glycosides	n.a.	n.a.	n.a.	n.a.
110615-47-9	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	n.a.	n.a.	n.a.	n.a.
68439-46-3	Alcohol ethoxylate	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

No data available.

13. Disposal Considerations

Waste Disposal Method: Dispose of contents and container according to the local, city, state and federal regulations.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not Regulated.

DOT Hazard Class:

UN/NA Number:

LAND TRANSPORT (Canadian TDG):

TDG 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
68439-46-3	Alcohol ethoxylate	No	No	No

CAS #	Hazardous Components (Chemical Name)
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110615-47-9	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides
68439-46-3	Alcohol ethoxylate

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

16. Other Information

Hazard Rating System:

HEALTH		2
FLAMMABILITY		0
PHYSICAL		1
PPE		C

HMIS:



Revision Date:

11/02/2017

Additional Information About This Product: No data available.

This Product:

Company Policy or

Disclaimer:

The manufacturer believes the data set forth are accurate and makes no warranty with respects thereto and disclaims all liability for reliance thereon. Such data are offered solely for consideration, investigation and verification. Also, the data set forth is for the concentrated finished product. All lab samples are for experimental purposes only and used at the customers discretion.