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Safety Data Sheet

**E.Z.
(Enviro-Zorb)**

Section 1. Identification

Product Use: Super Absorbent Polymer for Liquid Absorption
Date Issue: 09/2010

Emergency Telephone Number (U.S): 1-800-535-5053
Emergency Telephone Number (International): 1-352-323-3500
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Section 2. Hazard(s) Identification

HMIS Hazard Rating
0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme

HEALTH	1	FLAMMABILITY	0	REACTIVITY	0	SPECIFIC HAZARD	0
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Emergency Overview

Sodium Polyacrylate is a white, granular, odorless polymer that yields a gel-like material with the addition of water. It is insoluble in water and causes extremely slippery conditions when wet. Although not regulated as a hazardous material, the respirable dust is a potential respiratory tract irritant. The manufacturer recommends an eight-hour exposure limit of 0.05 mg/m³.

2.1 Classification of the substance or mixture

- Eye Damage/irritation (chapter 3.3), Cat. 2B
- Skin corrosion/irritation (chapter 3.2), Cat. 3
- Respiratory irritation

2.2 GHS label elements, including precautionary statements

Signal Word: Warning
Symbol(s)/Pictogram(s): None Required

Hazard Statement(s)

H303 May be harmful if swallowed
H315 May cause skin irritation
H320 May cause eye irritation
H335 May cause respiratory irritation

Precautionary statement(s)

P102 Keep out of the reach of children
P260 Do not breathe fume/mist/vapors/spray
P301+ P331 IF SWALLOWED, do NOT induce vomiting. Non-toxic by ingestion. Seek medical attention if symptoms do appear.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: get medical advice/attention.

2.3 Other hazards which do not result in classification

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

3.2 Mixtures

1. SODIUM POLYACRYLATE

Concentration >99%

Other names/synonyms: 2-Propenoic acid, homopolymer, sodium salt; polyco; rhotexg; ACRYLIC ACID, SODIUM SALT POLYMER; SODIUM POLYACRYLATE; SODIUM POLYACRYLATE 5'100; SODIUM POLYACRYLATE 2'100; SODIUM ACRYLATE(POLYMER)

CAS no: 9003-04-7

THE IDENTITY OF OTHER INDIVIDUAL COMPONENTS OF THIS PRODUCT IS PROPRIETARY INFORMATION AND REGARDED AS A TRADE SECRET.

THE COMPONENTS OF THIS PRODUCT ARE NOT REGULATED AS HAZARDOUS UNDER 29 CFR AND 49 CFR. However, the manufacturer recognizes the potential for respiratory tract irritation as a result of inhalation of this material as a respirable dust. See Sections 8, 11, 14, and 15 for further regulatory information.

Section 4. First Aid Measures

- Eye Contact** Dust may cause burning, drying, itching and other discomfort, resulting in reddening of the eyes. Immediately flush eyes with plenty of water for 15 minutes. Check for and remove any contact lenses. Get medical attention if necessary.
- Skin Contact** Exposure to the dust, such as in manufacturing, may aggravate existing skin conditions due to drying effect. Remove polyacrylate absorbent dust from skin using soap and water. Remove contaminated clothing and shoes. Wash clothes prior to reuse. Get medical attention if irritation develops.
- Inhalation** Move exposed person to fresh air. Seek medical attention if symptoms persist.
- Ingestion** Non-toxic by ingestion. If symptoms do appear, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

Section 5. Fire Fighting Measures

- Flash Point:** None
- Flammable Limits:** N/A
- Flammability:** Non-flammable
- Fire Hazard:** None
- Extinguishing Media:** Dry chemical, foam, carbon dioxide, water fog. Extremely slippery conditions are created if spilled product comes in contact with water.
- Fire-Fighting Procedures:** Fire-fighters should wear full protective clothing including self-contained breathing apparatus

Section 6. Accidental Release Measures

- 6.1 Containment** Sweep or vacuum material when possible and shovel into waste container.
- 6.2 Clean-Up Procedures** Use caution after contact of product with water as extremely slippery conditions will result. Residuals may be flushed with water into the drain for normal wastewater treatment. This is a non-hazardous waste suitable for disposal in an approved solid waste landfill.
- 6.3 Disposal Method** Dispose of in accordance with state, federal, or local Regulations.
- 6.4 Special Procedures** Avoid respirable dust inhalation during clean-up.

Section 7. Handling and Storage

- 7.1 Handling** Put on appropriate personal protective equipment (see section 8). Handle as an eye and respiratory tract irritant. Avoid contact with eyes. Do not breathe vapor or mist. Do not ingest.
- 7.2 Storage** Store in closed container protected from direct sunlight in a dry, cool and well-ventilated area.

Section 8. Exposure Controls/Personal Protection

- 8.1 Exposure Guidelines:** This product is not regulated as a hazardous material. However, the manufacturer recognizes the potential for respiratory tract irritation and recommends an eight-hour exposure limit of 0.05mg/m³.
- 8.2 Exposure controls:** As the use of adequate technical equipment must always take priority over personal protection equipment, make sure that the workplace is well ventilated. Local exhaust ventilation to maintain worker exposure of less than 0.05mg/m³ is recommended. Personal protection is indicated below.
- HANDLING PROTECTION:** Protect hands with work gloves, such as those with PVC, neoprene, nitrile or equivalent. Gloves' limit depends on the duration of exposure.
- EYE PROTECTION:** Wear protective goggles with side shields.
- SKIN PROTECTION:** Wear long sleeves, pants, and safe footwear to avoid skin irritation. Wash body with soap and water if there is prolonged exposure.
- RESPIRATORY PROTECTION:** Use with adequate ventilation. Wear a filter mask if particulate concentrations are excessive.

Section 9. Physical and Chemical Properties

- Boiling Point:** N/A
- Melting Point:** >390° F
- Vapor Pressure:** < 10 mm Hg
- Evaporation Rate:** <1.0
- Solubility in water:** Not Soluble
- Specific Gravity:** 0.4-0.7 g/ml
- PH (1% solution):** 5.5-6.5
- Appearance & Color:** Clear liquid- No odor

Section 10. Stability and Reactivity

Chemical Stability:	Stable
Conditions to Avoid:	None
Materials to Avoid:	None
Hazardous Polymerization:	Will not occur
Hazardous Decomposition Products:	None known

Section 11. Toxicological Information

11.1 Information on Effects:	Product is non-toxic. Acute inhalation of respirable dust may cause irritation of the upper respiratory tract and lungs.
11.2 Acute Toxicity:	Ingredient: Sodium Polyacrylate Result: LD50 Oral Species: Rat Dose: 40 gm/kg
11.3 Chronic Toxicity:	Chronic inhalation exposure to rats for a lifetime (two years) using sodium polyacrylate that had been micronized to a respirable particle size (less than 10 microns) produced non-specific inflammation and chronic lung injury at 0.2 mg/m ³ and 0.8 mg/m ³ .
11.4 Mutagenicity:	Sodium polyacrylate had no effect in mutagenicity tests.

Section 12. Ecological Information

12.1 General Product Information:	Composted polyacrylate absorbents are nontoxic to aquatic or terrestrial organisms at predicted exposure levels from current application rates.
12.2 Environmental Effects:	Polyacrylate absorbents are relatively inert in aerobic and anaerobic conditions. They are immobile in landfills and soil systems (>90% retention), with the mobile fraction showing biodegradability. They are also compatible with incineration of municipal solid waste. Incidental down-the-drain disposal of small quantities of polyacrylic absorbents will not affect the performance of wastewater treatment systems.
12.3 Aquatic Eco-toxicity:	Not available.

Section 13. Disposal Considerations

13.1 Waste Information	This product is a non-hazardous waste material suitable for approved solid waste landfills. Waste must be disposed
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of in accordance with federal, state and local environmental control regulations.

Section 14. Transport Information

This product is not transport regulated.

Section 15. Regulatory Information

15.1 US Federal Regulations

General Product Information: This product is not federally regulated as a hazardous material.

Clean Air Act: No information is available.

Component Analysis: No information is available.

Food & Drug Administration: CFR references for the FDA regulated components in this product are listed:
Sodium Polyacrylate;
Direct Food Additives: 173.73, 173.310
Indirect Food Additives: 175.105

15.2 State Regulations

General Product Information: This product is not regulated by any state as a hazardous material.

Component Analysis (State): None of this product's components are listed on the state lists from CA, FL, MA, MN, NJ or PA.

Component Analysis (WHMIS IDL): None of this product's components are listed in the WHMIS IDL.

Component Analysis (Inventory):

Component	CAS#	TSCA	CAN	EEC
Sodium Polyacrylate	9003-04-7	Yes	DSL	No

Section 16. Other Information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage, and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication. However, no representation, warranty, or guarantee of any kind, expressed or implied, is made to its accuracy, reliability or completeness. 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 other process. We assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the buyer's responsibility to ensure that activities comply with federal, state, and local laws.