



HEARTLAND SOLUTIONS, INC.
MATERIAL SAFETY DATA SHEET

Rack Envy® Premium Protectant

SECTION 1

IDENTIFICATION

Effective Date 12/31/10 Revised: N.A.
Name and Address: Phone: (816)-867-2054
HEARTLAND SOLUTIONS, INC. Emergency Phone: CHEMTREC (800)-424-9300
626 VALLEY RIDGE ROAD
GRAIN VALLEY, MO. 64029

Chemical Name: Rack Envy® Premium Protectant
Synonyms: SOLUTION
Formula: SEE SECTION II
Chemical Family: SOLUTION
ID No.: NONE
NFPA Profile: Health 0; Flammability 1; Reactivity 0

SECTION 2

INGREDIENTS

A. Composition/Information on Ingredients:

Table with 6 columns: INGREDIENT, CAS #, WGT PERCENT IS LESS THAN, TLV-TWA, TLV-STEL, PEL-TWA. Rows include Hydrogen Hydroxide, Polymeric Mixture, Complex Micro-emulsion, Synthetic Nano Polymeric Particle Mix, and Siloxane Nano Blend.

SECTION 3: FIRE AND EXPLOSION HAZARD DATA

Flash Point (method used): 240°F
Lower Explosion Limit: NA Upper Explosion Limit: NA

Extinguishing Media: USE CO2, FOAM OR WATER FOG

Special Fire Fighting Procedures: USE WATER TO COOL FIRE EXPOSED SURFACES. WEAR SELF-CONTAINED BREATHING APPARATUS APPROVED BY NIOSH.

Unusual Fire or Explosion Hazards: NONE KNOWN

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**SECTION 4:=====HEALTH HAZARD
DATA=====**

A. Effects of a Single Overexposure by

- 1. Ingestion: DO NOT TAKE INTERNALLY. MAY CAUSE MILD DIARRHEA.
- 2. Inhalation: REMOVE TO FRESH AIR. IRRITATION FROM PROLONGED EXPOSURE WITH LITTLE VENTILATION.
- 3. Skin Contact: NONE RECOGNIZED. THIS PRODUCT MAY CAUSE ALLERGIC SKIN REACTIONS IN SENSITIVE INDIVIDUALS. IRRITATION.
- 4. Eye Contact: IRRITATION AND TEARING.

B. Effects of Overexposure:

Chronic Hazards: NONE KNOWN

C. Emergency and First Aid Procedure for

- 1. Ingestion: INDUCE VOMITING. DRINK LARGE AMOUNTS OF WATER. IF NEEDED, GET IMMEDIATE MEDICAL ATTENTION.
- 2. Inhalation: REMOVE TO FRESH AIR. IF NEEDED, GET MEDICAL ATTENTION.
- 3. Skin Contact: FLUSH WITH LARGE AMOUNTS OF WATER AND SOAP. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.
- 4. Eye Contact: IMMEDIATELY FLUSH WITH WATER LARGE AMOUNTS OF WATER 15 MINUTES OR UNTIL IRRITATION SUBSIDES. GET MEDICAL ATTENTION.
- 5. Primary Routes of Entry INHALATION, INGESTION, EYE CONTACT.

D. Other Health Information: NONE KNOWN

**SECTION 5:=====REACTIVITY
DATA=====**

Product Stability: STABLE
Conditions to Avoid: NON KNOWN
Incompatibility: STRONG OXIDIZING AGENTS
Hazard Combustion or
Decomposition Products: NONE KNOWN.
Hazardous Polymerization: WILL NOT OCCUR.

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SECTION 6:=====EXPOSURE CONTROLS/PERSONAL PROTECTION=====

A. Respirator Protection:	NOT USUALLY REQUIRED. AVOID BREATHING MIST
B. Ventilation:	SUFFICIENT VENTILLATION, IN VOLUME AND PATTERN, SHOULD BE PROVIDED TO KEEP AIR CONTAMINATION BELOW CURRENT APPLICABLE OSHA PERMISSIBLE EXPOSURE LIMIT OR ACGHI'S TLV LIMIT.
C. Skin Protection:	RECOMMENDED FOR PROLONGED OR REPEATED CONTACT.
D. Eye Protection:	CHEMICAL GOGGLES WITH SIDE SHIELDS OR FACE SHIELD RECOMMENDED.
E. Other Protective Equipment:	REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE.
F. Hygienic Practices:	WASH HANDS AFTER EACH USE.

SECTION 7:=====ENVIRONMENTAL DATA=====

- A. Spill or Leak Procedures: DIKE SPILL AND COLLECT FOR DISPOSAL. SPILL MAY BE ABSORBED ONTO APPROPRIATE ABSORBANT MATERIAL.
- B. Waste Disposal: SOAK LIQUIDS WITH SAWDUST OR RAGS AND REMOVE. FLUSH WITH WATER IF POSSIBEL. PLEASE FOLLOW FEDERAL, STATE AND LOCAL REGULATIONS FOR DISPOSAL.
- C. Other Environmental Data: PLEASE CALL NON-EMERGENCY TELEPHONE NUMBER ON PAGE 1 IF ECOLOGICAL INFORMATION IS REQUIRED

SECTION 8:=====STORAGE AND HANDLING=====

- A. Electrostatic Accumulation Hazard: UNKNOWN, USE PROPER GROUNDING PROC.
- B. Storage Temperature: KEEP IN A DRY, COOL PLACE
- C. Storage/Transport Pressure: ATMOSPHERIC
- D. Loading/Unloading Temperature: KEEP FROM FREEZING
- E. Loading/Unloading Viscosity: N.A.

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F. Handling and Storage: KEEP CONTAINER CLOSED. STORE ABOVE 40F AND IN A DRY, WELL VENTILATED PLACE AWAY FROM INCOMPATIBLE MATERIALS. DO NOT HANDLE OR STORE NEAR AN OPEN FLAME, HEAT OR OTHER SOURCE OF IGNITION. PROTECT MATERIAL FROM DIRECT SUNLIGHT. IT IS NOT KNOWN IF THIS PRODUCT IS A STATIC ACCUMULATOR. THEREFORE, USE PROPER GROUNDING PROCEDURES. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

G. Other Precautions: THIS PRODUCT SHOULD BE USED ONLY IN ACCORDANCE WITH THE INSTRUCTIONS PROVIDED BY THE TECHNICAL REPRESENTATIVE SERVICING THE FACILITY.

SECTION 10:=====REGULATORY INFORMATION=====

THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.

CHEMICAL NAME	CAS NUMBER	WT/WT %
NONE		

**SECTION 11:=====DISPOSAL
CONSIDERATIONS=====**

PLEASE REFER TO SECTIONS 4, 5, 6 AND 10 FOR DISPOSAL AND REGULATORY INFORMATION.

The data contained in this Material Safety Data Sheet has been prepared based upon an evaluation of the ingredients contained in the product, their concentration in the product and potential interactions. The information is offered in good faith and is believed to be accurate. It is furnished to the customer who is urged to study it carefully to become aware of hazards, if any, in the storage, handling, use and disposal of the product; and to insure their employees are properly informed and advised of all safety precautions required. The information is furnished for compliance with the "Occupational Safety and Health Act" of 1970, the "Hazards Communication Act" of 1983 as well as various other Federal, State and Local regulations. Use or dissemination of all or part of this information for any other purpose is illegal.