



MATERIAL SAFETY DATA SHEET

According to US Regulation ANSI Z400.1-2004

Print date: 06-Jan-2009

1. PRODUCT AND COMPANY IDENTIFICATION

MSDS Number D0193955

Commercial Product Name RID-X® SEPTIC SYSTEM TREATMENT

Validation/Revision Date: 06-Jan-2009

Formula Number: 1398-103A (FF0193951)

UPC Code(s) and Size:
19200-80306 (9.8 oz.)
19200-80307 (19.7 oz.)
19200-80309 (29.5 oz.)
19200-80310 (39.3 oz.)

Product Description: Septic system treatment and drain maintainer containing bacteria and enzymes.

Manufacturer: Reckitt Benckiser Inc.
Morris Corporate Center IV
399 Interpace Parkway (P.O. Box 225)
Parsippany, New Jersey 07054-0225
Telephone: +1 973 404 2600

Emergency Telephone Number: 1-800-228-4722 (U.S.)

Transportation Emergencies: 1-800-424-9300 (U.S. & Canada) CHEMTREC
Outside U.S. and Canada (North America), call Chemtrec:703-527-3887

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Proportion (% w/w)	ACGIH - Occupational Exposure Limits - TWAs	OSHA PEL
Amylase 900-90-2	< 2.5 %	-	-
Cellulase 9012-54-8	< 2.5 %	-	-
Protease 9014-01-1	< 2.5 %	0.00006 mg/m³ Ceiling	0.00006 mg/m³ STEL

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3. HAZARDS IDENTIFICATION
EMERGENCY OVERVIEW:
CAUTION:

Contains Bacterial Spores and Enzymes.

Individuals having known allergies, particularly to enzymes, as well as those with respiratory diseases or disorders, should avoid contact with this product.

May cause eye irritation.

Avoid contact with eyes.

Avoid breathing dusts.

Wash hands thoroughly after handling

KEEP OUT OF REACH OF CHILDREN
4. FIRST AID MEASURES

Inhalation	Move to fresh air. If symptoms persist, call a physician.
Skin Contact	If on skin, wash with plenty of soap and water. If irritation persists get immediate medical attention..
Eye Contact	If in eyes, immediately flush eyes thoroughly with water, remove any contact lenses and rinse with plenty of water for at least 15 minutes Get medical attention immediately if irritation persists
Ingestion	Rinse mouth with water. Call a physician or Poison Control Center immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
Notes to Physician	Treat symptomatically
Protection of First-aiders	Use personal protective equipment.
Aggravated Medical Conditions:	Persons with respiratory problems or skin disorders should avoid contact with this product.

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5. FIRE-FIGHTING MEASURES

Flash point:	>93.3°C / >200°F
Flammability Limits in Air:	
Lower	No information available.
Upper	No information available.
Autoignition Temperature:	No information available.
Suitable Extinguishing Media:	As suitable for surrounding fire.
Extinguishing Media which must not be used for safety reasons:	No information available.
Specific hazards:	See Section 3, Hazard Identification.
Unusual hazards:	None known.
Special Protective Equipment for Fire Fighters:	As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA / NIOSH (approved or equivalent) and full protective gear.
Precautions for Fire Fighters:	Standard procedure for chemical fires.

NFPA:	Health Hazard: 2	Flammability: 0	Instability: 0
HMIS:	Health Hazard: 2	Flammability: 0	Reactivity: 0
Key:	Personal Protection Index = B. (Also see Sections 3 & 8)		

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Ensure adequate ventilation. Use personal protective equipment.
Environmental Precautions:	Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained.
Methods for Cleaning Up	Wearing appropriate personal protective equipment; Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry Take up mechanically and collect in suitable container for disposal. Avoid dust formation Clean contaminated surface thoroughly.

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7. HANDLING AND STORAGE

- Handling:** Use only in area provided with appropriate exhaust ventilation
 Wear personal protective equipment
 Avoid contact with eyes
 Avoid dust formation
 Wash hands after handling
- Safe Handling Advice:** Use only as directed on the container label.
- Storage:** Store in original container in areas inaccessible to small children and pets.
Conditions for Safe Storage: Store in an area out of direct sunlight, keep container closed when not in use and avoid storing in a damp environment.
 Keep away from heat.
 Keep away from food items and potable (drinking) water supplies.
 Rinse container thoroughly before recycling.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL
Amylase 900-90-2	-	-
Cellulase 9012-54-8	-	-
Protease 9014-01-1	Ceiling: 0.00006 mg/m ³	0.00006 mg/m ³ STEL

- Engineering Controls:** For occupational exposures, ensure adequate ventilation.

Personal Protective Equipment

- Respiratory Protection:** Use only with adequate ventilation
 In the case of respirable dust, use self-contained breathing apparatus
- Hand Protection:** Avoid contact with skin
 For prolonged or repeated contact use protective gloves
- Eye Protection:** Avoid contact with eyes.
 Safety glasses with side-shields.
- Skin and Body Protection:** Usual safety precautions while handling the product will provide adequate protection against injury or irritation. Follow product label instructions.
- Hygiene Measures:** Avoid contact with skin, eyes and clothing.
 Wash hands with soap and water after handling.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid.
Appearance:	Powder
Colour:	Tan.
Odour:	Fermented
pH	7 (10% Solution)
Flash Point:	> 93.3°C / > 200°F
Autoignition Temperature:	No information available.
Specific gravity [g/mL]:	No information available.
Vapour Pressure:	Not determined.
Solubility:	Soluble in Water (6%).

Explosion limits:

- upper:	No data available.
- lower:	No data available.

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Conditions to Avoid:	Store away from excessive heat and moisture.
Materials to Avoid:	Do not mix with other household chemicals.
Hazardous Decomposition Products:	Oxides of carbon and unknown organic compounds.
Polymerization:	Hazardous polymerisation does not occur.

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11. TOXICOLOGICAL INFORMATION
PRODUCT TOXICITY DATA

LD₅₀ Oral: No information available

LD₅₀ Dermal: No information available

LC₅₀ Inhalation (Dust): No information available

LC₅₀ Inhalation (Vapor): No information available

Acute Effects:

Eye Irritation May cause eye irritation.

Skin Irritation Allergic reaction may occur.

Inhalation Contains enzymes, avoid breathing airborne dust.
Dusts may cause irritation to the upper respiratory tract.

Ingestion May be harmful if swallowed. See Section 4 for First Aid instructions.
Ingestion could cause irritation of the mouth and throat.

Sensitization May cause sensitization of susceptible persons .

Specific Effects

Carcinogenic Effects: Not listed as carcinogenic by OSHA, NTP or IARC.

Mutagenic Effects No information available.

Reproductive Toxicity: No information available.

Additional Toxicity Information: Information is based on available component data and toxicity result of similar products.

COMPONENT TOXICITY DATA

Chemical Name	CAS#	LD50 Oral - With Units - Rat - mg/kg	LD50 Dermal - With Units - Rat/Rabbit - mg/kg	LC50 Inhalation - With units - Rat/Rabbit
Protease	9014-01-1	3700 mg/kg (Rat)		

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12. ECOLOGICAL INFORMATION
PRODUCT TOXICITY DATA

Aquatic toxicity: No information available

COMPONENT TOXICITY DATA
Amylase

900-90-2 (< 2.5 %)

Freshwater Algae

-

Freshwater Fish

-

Microtox

-

Water Flea

-

Cellulase

9012-54-8 (< 2.5 %)

Freshwater Algae

-

Freshwater Fish

-

Microtox

-

Water Flea

-

Protease

9014-01-1 (< 2.5 %)

Freshwater Algae

-

Freshwater Fish

-

Microtox

-

Water Flea

-

Other Information
Ozone Depletion Potential (ODP) (R-11 = 1):

No information available.

Global Warming Potential (GWP):

No information available.

Additional Ecological Information:

Information given is based on data on the components and the ecotoxicology of similar products.

13. DISPOSAL CONSIDERATIONS
Waste from residues / unused products:

Dispose of in accordance with local regulations.

Contaminated Packaging:

Empty container can be disposed of as household trash or rinsed and recycled where appropriate.

Waste Disposal:

Small amounts of powder waste: Wipe up with a wet paper towel and discard absorbed material in trash collection and flush waste residue to sink or sanitary sewer.
Large amounts of powder waste: Dispose of in accordance with local, state, provincial and federal regulations.

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14. TRANSPORT INFORMATION
General remarks Not classified as dangerous for transport regulations.

DOT Not regulated

TDG Not regulated

MEX Not applicable.

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

RID Not applicable.

ADR Not applicable.

ADN Not applicable.

15. REGULATORY INFORMATION

Chemical Name	PICCS	TSCA	DSL	NDSL	ENCS	CHINA	AICS	EINECS/ ELINCS	South Africa STELs
Amylase								None	
Cellulase		XU	X			X	X	232-734-4	
Protease		XU	IUB#3.4.21. 62			X	X	232-752-2	

U.S. Regulations:

Amylase - 900-90-2

NJRTK

Not Listed.

Appearance

None.

Cellulase - 9012-54-8

NJRTK

Not Listed.

Appearance

None.

Protease - 9014-01-1

NJRTK

Not Listed.

Appearance

None.

SARA313

None

Chemical Name
California Prop. 65

Amylase - 900-90-2

Not Listed

Cellulase - 9012-54-8

Not Listed

Protease - 9014-01-1

Not Listed

WHMIS (Canada)
WHMIS Hazard Class

Not determined

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16. OTHER INFORMATION
**National Fire
Protection Association
(U.S.A.):**

HMIS (U.S.A.):

Health Hazard	2
Fire Hazard	0
Reactivity	0
PERSONAL PROTECTION	B

Reason for revision: Change of formulation

Additional advice: This product should only be used as directed on the label and for the purpose intended.

Prepared by: Reckitt Benckiser (U.S.) Inc.
 Product Safety Department
 1 Philips Parkway
 Montvale, New Jersey 07646-1810 USA
 FAX: 201-476-7770

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