



# PRODUCT SAFETY DATA SHEET

Print date: 06 Jun 2007

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Item Number / Product code:** 0103394

**Product name:** RID-X® SEPTIC SYSTEM TREATMENT (LIQUID)

**Validation / Revision Date:** 31 May 2007

**EPA Identifier:** Not applicable.

**Formula Number:** 1171-18 (0103394)

**UPC Number and Size:** 19200-78710 (32 fl. oz. / 946 mL.) Plastic Bottle;  
19200-79281 (64 fl. oz. / 1.892 L) Plastic Bottle.

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

**Manufacturer:** Reckitt Benckiser North America, Inc.  
Morris Corporate Center IV  
399 Interpace Parkway (P.O. Box 225)  
Parsippany, New Jersey 07054-0225

**Emergency telephone number:** 1-800-228-4722 (U.S.)

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

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Components:**  
BACTERIAL COMPLEX w/ AMYLASE,  
PROTEASE & SUBTILISIN PROTEASE  
ENZYMES  
9014-01-1

| Wt %  | ACGIH:                  | OSHA:                   |
|-------|-------------------------|-------------------------|
| 65-70 | 0.06 mcg/m <sup>3</sup> | 0.06 mcg/m <sup>3</sup> |

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

##### CAUTION:

May cause eye irritation.

May cause mild skin irritation after prolonged contact.

Inhaling mist from this product could cause irritation to the lungs and mucous membranes.

Ingestion could cause irritation to the mouth and throat.

Individuals having known allergies, as well as those with respiratory disease or disorders should avoid contact with this product.

#### KEEP OUT OF REACH OF CHILDREN

### 4. FIRST AID MEASURES

|                                       |  |
|---------------------------------------|--|
| <b>Inhalation:</b>                    | If inhaled, move to fresh air and avoid further contact with product. If breathing or skin problems develop, seek the care of a physician.                     |
| <b>Skin contact:</b>                  | If on skin, wash the product off with soap and water. If irritation develops, seek the care of a physician.  |
| <b>Eye contact:</b>                   | If in eyes, rinse eyes with water for at least 15 minutes. If irritation persists, get medical attention.  |
| <b>Ingestion:</b>                     | If ingested, drink water to dilute and call a physician. Induce vomiting only if advised by a physician. Contains enzymes.                                     |
| <b>Notes to physician:</b>            | Contains a bacterial complex with amylase, protease and subtilisin protease enzymes. Ingestion of this product could cause irritation of the mouth and throat. |
| <b>Aggravated Medical Conditions:</b> | None known. Persons with respiratory problems or skin disorders should avoid contact with this product.  |

### 5. FIRE-FIGHTING MEASURES

|   |   |
|---|---|
| <b>Flash point:</b>   | CLOSED CUP: Higher than 93.3° C (>200° F). [Tagliabue].   |
| <b>Flammability Limits in Air:</b>                                    |   |
| <b>Lower:</b>   | No information available.   |
| <b>Upper:</b>   | No information available.   |
| <b>Autoignition temperature:</b>                                      | No information available.   |
| <b>Suitable extinguishing media:</b>                                  | Water spray.<br>Carbon dioxide (CO <sub>2</sub> ).<br>Dry chemical.   |
| <b>Extinguishing media which must not be used for safety reasons:</b> | No information available.   |
| <b>Specific hazards:</b>  | Contains enzymes, see Section 4.  |
| <b>Unusual hazards:</b>   | None known  |
| <b>Special protective equipment for firefighters:</b>                 | As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA / NIOSH (approved or equivalent) and full protective gear. |
| <b>Specific methods:</b>  | Standard procedure for chemical fires.  |

**NFPA:** Health: 1

**Flammability:** 0

**Instability:** 0

**HMS:** Health: 1

**Flammability:** 0

**Reactivity:** 0

**Key:** Personal Protection Index = C.  
(Also see Sections 3 & 8)

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Ensure adequate ventilation.

**Environmental precautions:** Do not allow material to contaminate ground water system.

**Methods for cleaning up:** When performing the required clean-up operation, wear the appropriate personal protective equipment such as impervious gloves and eye / face protection.

Small spills: Dilute with water and mop up, or absorb with an inert material and place in an appropriate waste disposal container.

Large spills: Contain and collect for later disposal according to local, provincial, state or federal regulations.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin and clothing.  
Use with adequate ventilation.  
Wash hands after handling.  
KEEP OUT OF REACH OF CHILDREN!

**Safe handling advice:** Read and follow product label instructions.

**Storage:** Store in original container in areas inaccessible to small children and pets.  
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 food items and potable (drinking) water supplies.  
Keep away from heat.  
Keep from freezing.  
Rinse container thoroughly before recycling.

**Incompatible products:** Disinfectants will kill the active enzymes.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures to reduce exposure:** For occupational exposures, ensure adequate ventilation.

### **Personal Protective Equipment**

**Respiratory protection:** Use in a well-ventilated area.  
Emergency responders should wear self-contained breathing apparatus (SCBA) to avoid inhalation of vapours generated by this product during a spill or other clean-up operations.

**Hand protection:** Wear impervious gloves where the potential for contact with the liquid is possible.  
Wear long sleeve clothing to prevent incidental or prolonged contact with the skin.

**Skin and body protection:** Usual safety precautions while handling the product will provide adequate protection against injury or irritation. Follow product label instructions.

|                          |  |
|--------------------------|--|
| <b>Eye protection:</b>   | Avoid contact with eyes.<br>Appropriate eye protection such as: Safety glasses with side shields, chemical goggles or full face shield for occupational exposures. |
| <b>Hygiene measures:</b> | Avoid contact with skin, eyes and clothing.<br>Wash hands with soap and water after handling.  |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                          |  |
|--------------------------|--|
| <b>Physical state:</b>   | A liquid septic system treatment plus drain maintainer consisting of a complex of beneficial bacteria and amylase, protease and subtilisin protease enzymes. |
| <b>Appearance:</b>       | Liquid.  |
| <b>Colour:</b>           | Blue. Blue green.  |
| <b>Odour:</b>            | Soapy  |
| <b>pH:</b>               | 6.3 - 8.8  |
| <b>Flash point:</b>      | Greater than 93° C (>200° F)   |
| <b>Specific gravity:</b> | >1.0 (Water = 1.0)   |
| <b>Vapour pressure:</b>  | Not determined.  |
| <b>Solubility:</b>       | Completely soluble.  |
| <br>                     |  |
| <b>Explosion limits:</b> |  |
| - upper:                 | No data available.   |
| - lower:                 | No data available.   |

## 10. STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>Stability:</b>                        | Stable under recommended storage conditions.    |
| <b>Polymerization:</b>                   | Hazardous polymerisation does not occur.        |
| <b>Hazardous decomposition products:</b> | Oxides of carbon and unknown organic compounds. |
| <b>Materials to avoid:</b>               | Do not mix with other household chemicals.      |
| <b>Conditions to avoid:</b>              | Store away from excessive heat and moisture.    |

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

### Component Information:

### Product Information

|                                 |                           |
|---------------------------------|---------------------------|
| <b>LC50/inhalation/4h/rat =</b> | No information available. |
| <b>LD50/dermal/rabbit =</b>     | No information available. |
| <b>LD50/oral/rat =</b>          | No information available. |

### Local effects

|                         |   |
|-------------------------|---|
| <b>Skin irritation:</b> | May cause mild skin irritation after prolonged contact.   |
| <b>Eye irritation:</b>  | May cause eye irritation.   |
| <b>Inhalation</b>       | Inhaling mist from this product could cause irritation to the lungs and mucous membranes.   |
| <b>Ingestion</b>        | May be harmful if swallowed. See Section 4 for First Aid instructions.<br>Ingestion could cause irritation of the mouth and throat. |
| <b>Sensitization</b>    | May cause sensitization of susceptible persons  |

**Chronic toxicity:** No information available.

**Specific effects**

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

| <b>Components:</b>   | <b>NTP:</b> | <b>IARC:</b> | <b>OSHA:</b>            | <b>Mexico:</b> |
|--|-------------|--------------|-------------------------|----------------|
| BACTERIAL COMPLEX w/<br>AMYLASE, PROTEASE &<br>SUBTILISIN PROTEASE ENZYMES |             |              | 0.06 mcg/m <sup>3</sup> |                |

**Mutagenic effects:** No information available.

**Reproductive toxicity:** No information available.

**Target organ effects:** No information available.

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

**12. ECOLOGICAL INFORMATION**

**Product Information**

**Aquatic toxicity:** LC50/96h/fathead minnows (Pimephales promelas) = >1,000 mg/L.

**Component Information:**

**Other information:**

**Ozone depletion potential; ODP; (R-11 = 1) =** No information available.  
**Global warming potential (GWP) =** No information available.

**Additional ecological information:** No information available.

**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:** Wear appropriate personal protective equipment when cleaning or handling waste material.

Small quantities of waste liquid may be discharged into a sanitary sewer. Discard any absorbed material in trash collection. Rinse empty container thoroughly and discard in trash or recycle.

Large quantities:  
Wearing appropriate personal protective equipment, collect and store in an appropriate container for disposal according to local, state, provincial and federal regulations.  
Avoid creating a mist during the clean-up operations.  
Do not use a high pressure washer for clean-up of spilled or waste materials.

**14. TRANSPORT INFORMATION**

**UN / Id No:** Not applicable

**DOT:**  
**Classification:** Not a DOT regulated material. (United States)

**Proper shipping name:** Not applicable.  
**U.S. DOT - Hazard Class:** Not applicable.  
**Subsidiary risk:** Not applicable.  
**Packing Group:** Not applicable.  
**DOT RQ (lbs):** Not applicable.  
**ERG No:** Not applicable.

**TDG (Canada):**

**Classification:** Not regulated under TDG  
**Proper shipping name:** Not applicable.  
**Status:** Not applicable.  
**Packing Group:** Not applicable.  
**WHMIS hazard class:** Not a WHMIS controlled product.

**IMDG / IMO**

**Classification:** Not regulated under IMDG  
**Proper shipping name:** Not applicable.  
**Class:** Not applicable.  
**Subsidiary Risk:** Not applicable.  
**Packing group:** Not applicable.  
**IMDG page:** Not applicable.  
**Marine pollutant:** Not applicable.  
**EMS:** Not applicable.  
**MFAG:** See Guide.

**ADR / RID**

**Classification:** Not applicable.  
**Proper shipping name:** Not applicable.  
**Class:** Not applicable.  
**Subsidiary risk:** Not applicable.  
**Packing Group:** Not applicable.  
**ADR/RID-labels:** Not applicable  
**Hazard Identification Number:** Not applicable.  
**CEFIC Tremcard No:** Not applicable.

**ICAO / IATA:**

**Classification:** Not regulated under ICAO / IATA  
**Proper shipping name:** Not applicable.  
**Class:** Not applicable.  
**Subsidiary Risk:** Not applicable  
**Packing Group:** Not applicable.  
**Maximum quantity** Not applicable.

**15. REGULATORY INFORMATION**

| <b>Components:</b>   | <b>PICCS:</b> | <b>TSCA:</b>  | <b>DSL:</b> | <b>NDSL:</b> | <b>ENCs:</b> | <b>CHINA:</b> | <b>AICS:</b> | <b>EINECS-No</b> |
|--|---------------|---|-------------|--------------|--------------|---------------|--------------|------------------|
| BACTERIAL COMPLEX w/<br>AMYLASE, PROTEASE &<br>SUBTILISIN PROTEASE ENZYMES |               | All<br>components<br>appear on<br>the TSCA<br>Inventory.<br>Components<br>not listed are<br>either non-<br>hazardous or<br>in<br>concentratio<br>ns of less<br>than 1%. |             |              |              | Present       | Present      | 232-752-2        |

**U.S. Regulations:**

**Components:**

*BACTERIAL COMPLEX w/ AMYLASE, PROTEASE & SUBTILISIN PROTEASE ENZYMES - 9014-01-1*

**NJRTK:**

Not Listed.

**California Proposition 65 -**

None.

**CERCLA/SARA 313: None**

**Canada**

**WHMIS hazard class:**

Not a WHMIS controlled product.

**16. OTHER INFORMATION**

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



**HMIS (U.S.A.):**

|                     |   |
|---------------------|---|
| Health Hazard       | 1 |
| Fire Hazard         | 0 |
| Reactivity          | 0 |
| Personal Protection | C |

**Reason for revision:**

Revision of data and / or an update of the PSDS.

**Additional advice:**

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

**Prepared by:**

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