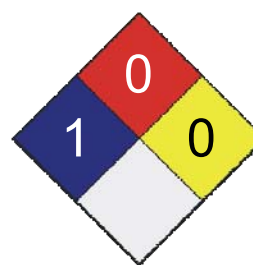


1. Product and Company Identification

Product Name RID-X® - Septic System Treatment (Liquid)
UPC CODES Refer to Section 16
CAS # Mixture
Product use Septic treatment
Distributed by Reckitt Benckiser
 Morris Corporate Center IV
 399 Interpace Parkway
 P.O. Box 225
 Parsippany, NJ 07054-0225
 In Case of Emergency: 1-800-228-4722
 Transportation Emergencies: 24 Hour Number:
 North America: CHEMTREC: 1-800-424-9300
 Outside North America: 1-703-527-3887

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	/ 1
Flammability	0
Physical Hazard	0
Personal Protection	C



2. 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.

Potential short term health effects

Routes of exposure

Eye, Skin contact, Inhalation, Ingestion.

Eyes

May cause eye irritation.

Skin

May cause mild skin irritation after prolonged contact.

Inhalation

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

Ingestion

May be harmful if swallowed.
Ingestion could cause irritation of the mouth and throat.

Target organs

Eyes. Respiratory system. Skin.

Chronic effects

The finished product is not expected to have chronic health effects.

Signs and symptoms

Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
A-Amylase (EC# 3.2.1.1)	9000-90-2	10 - 20
Bacteria, complex with amylase and proteinase	68920-42-3	10 - 20
Cellulase (ID# 3.2.1.4)	9012-54-8	10 - 20
Subtilisin carlsburg	9014-01-1	10 - 20
Triacylglycerol Lipase (EC# 3.1.1.3)	9001-62-1	10 - 20

4. First Aid Measures

First aid procedures

Eye contact	If in eyes, rinse eyes with water for fifteen minutes, if irritation persists, see a physician.
Skin contact	If on skin, wash the product off the skin with soap and water. If irritation develops, seek the care of a physician.
Inhalation	If inhaled, move to fresh air and avoid further contact with product. If breathing or skin problems develop, see the care of a physician.
Ingestion	If ingested, drink water to dilute and call a physician. Induce vomiting only if advised by a physician. Contains enzymes.

Notes to physician

Contains a bacterial complex with amylase, protease and subtilisin protease enzymes.

General advice

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire Fighting Measures

Flammable properties

Not flammable by OSHA criteria.

Extinguishing media

Suitable extinguishing media Water spray. Carbon dioxide. Dry chemical.

Unsuitable extinguishing media Not available

Protection of firefighters

Specific hazards arising from the chemical Not available

Protective equipment for firefighters Firefighters should wear full protective clothing including self contained breathing apparatus.

Hazardous combustion products

May include and are not limited to: Oxides of carbon.

Explosion data

Sensitivity to mechanical impact Not available

Sensitivity to static discharge Not available

6. Accidental Release Measures

Personal precautions

Ensure adequate ventilation. Use personal protective equipment.

Methods for containment

Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up

Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

7. Handling and Storage

Handling

Use good industrial hygiene practices in handling this material.
When using do not eat or drink.

Minimize dust generation and accumulation.
Avoid contact with eyes, skin and clothing.

Storage

Keep out of reach of children.
Store in a closed container away from incompatible materials.
Do not store in direct sunlight.
Store away from heat.
Store in a cool dry place inaccessible to children and pets.

8. Exposure Controls / Personal Protection

Exposure limits

Ingredient(s)	Exposure Limits
A-Amylase (EC# 3.2.1.1)	ACGIH-TLV Not established OSHA-PEL Not established
Bacteria, complex with amylase and proteinase	ACGIH-TLV Not established OSHA-PEL Not established
Cellulase (ID# 3.2.1.4)	ACGIH-TLV Not established OSHA-PEL Not established
Subtilisin carlsburg	ACGIH-TLV Ceiling: 0.0001 mg/m3 OSHA-PEL Not established
Triacylglycerol Lipase (EC# 3.1.1.3)	ACGIH-TLV TWA: 10 mg/m3 OSHA-PEL Not established

Engineering controls

General ventilation normally adequate.

Personal protective equipment

Eye / face protection

Avoid contact with eyes. Wear safety glasses with side shields. Emergency responders should wear full eye and face protection.

Hand protection

Avoid contact with the skin. Wear impervious gloves where the potential for contact with the liquid is possible. Emergency responders should wear impermeable gloves.

Skin and body protection

long sleeved clothing
 Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible. Follow label directions carefully.

Respiratory protection

None required where adequate ventilation conditions exist. Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. 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.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Washing with soap and water after use is recommended as good hygienic practice to prevent possible eye irritation from hand contact.

9. Physical and Chemical Properties

Appearance	Liquid.
Color	Blue to Blue Green
Form	Liquid
Odor	soapy
Odor threshold	Not available
Physical state	Liquid
pH	6.3 - 8.8
Freezing point	Not available

Pour point	Not available
Boiling point	Not available
Flash point	> 199.94 °F (> 93.3 °C)
Evaporation rate	Not available
Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	> 1
Octanol/water coefficient	Not available
Solubility (H2O)	Complete
Auto-ignition temperature	Not available

10. Stability and Reactivity

Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Acids. Oxidizers.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
A-Amylase (EC# 3.2.1.1)	Not available
Bacteria, complex with amylase and proteinase	Not available
Cellulase (ID# 3.2.1.4)	Not available
Subtilisin carlsburg	Not available
Triacylglycerol Lipase (EC# 3.1.1.3)	Not available

Component analysis - Oral LD50

Ingredient(s)	LD50
A-Amylase (EC# 3.2.1.1)	7500 mg/kg rat
Bacteria, complex with amylase and proteinase	Not available
Cellulase (ID# 3.2.1.4)	30900 mg/kg mouse
Subtilisin carlsburg	Not available
Triacylglycerol Lipase (EC# 3.1.1.3)	45500 mg/kg rat

Effects of acute exposure

Eye	May cause eye irritation.
Skin	May cause mild skin irritation after prolonged contact.
Inhalation	Inhaling mist from this product could cause irritation to the lungs and mucous membranes.
Ingestion	May be harmful if swallowed. Ingestion could cause irritation of the mouth and throat.

Sensitization

May cause sensitization of susceptible persons.

Chronic effects

The finished product is not expected to have chronic health effects.

Carcinogenicity

The finished product is not expected to have chronic health effects.

Mutagenicity

The finished product is not expected to have chronic health effects.

Reproductive effects

The finished product is not expected to have chronic health effects.

Teratogenicity

The finished product is not expected to have chronic health effects.

12. Ecological Information

Ecotoxicity	Not available
Environmental effects	Not available
Aquatic toxicity	Not available
Persistence / degradability	Not available
Bioaccumulation / accumulation	Not available
Partition coefficient	Not available
Mobility in environmental media	Not available
Chemical fate information	Not available

13. Disposal Considerations

Waste codes	Not available
Disposal instructions	<p>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.</p> <p>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.</p>
Waste from residues / unused products	Not available
Contaminated packaging	Not available

14. Transport Information

UN/ID N.o.	Not applicable
U.S. Department of Transportation (DOT): Classification: Not regulated	
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

Transportation of Dangerous Goods (TDG - Canada): Classification: Not regulated

Proper shipping name	Not applicable
Status	Not applicable
Packing group	Not applicable

IMDG (Marine Transport): Classification: Not regulated

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	Not applicable
Maximum Quantity	Not applicable

IATA/ICAO (Air): Classification: Not regulated

Proper shipping name	Not applicable
Class	Not applicable
Subsidiary Risk:	Not applicable
Packing group	Not applicable
Maximum Quantity	Not applicable

15. Regulatory Information

US Federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
CERCLA/SARA Hazardous Substances - Not applicable.

Product Registration: Not registered

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

Clean Air Act (CAA) Not available

Clean Water Act (CWA) Not available

State regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances

Subtilisin carlsburg	9014-01-1	Present
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Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

Disclaimer

This product should only be used as directed on the label and for the purpose intended. To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Further information

19200-79281 - 64 oz. - 0242210; 19200-83007 - 48 oz. - 0242210;
19200-83383 - 24 oz. - 0242210; 19200-83384 - 32 oz. - 0242210

Issue date

10-June-2010

Effective date

01-Apr-2010

Prepared by

Reckitt Benckiser Regulatory Department 800-333-3899

Other information

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.