Material Safety Data Sheet

RXSOLZYME TDS Toilet Descaler (RXSOL-16-1684-010)

1. Product and Company Identifaction

Product Name	RXSOL-16-1684-010
Product Type	Rxsolzyme TDS (Toilet Descaler)

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Phone	+91 22 65113333 / 5555 / 9999
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	mail@rxmarine.com

2. Composition / informationon ingredients

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases	* Symbols
citric acid	>15%	77-92-9	201-069-1	R36	Xi
Sulphamic acid	>15%	5329-14-6	226-218-8	R36/38, 52/53	Xi
sodium carbonate	5-15%	497-19-8	207-838-8	R36	Xi
Viable bacterial cultures	10%	N/A	N/A	-	-

*See Section 16

3. Hazards Identification

Irritant

- Contains:citric acid - Sulphamic acid - sodium carbonate - Viable bacterial cultures

Risk Phrases

- Irritating to eyes and skin (R36/38)

Safety Phrases

- Avoid contact with skin (S24)
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)
- Wear suitable gloves and eye/face protection (S37/39)

Other hazards

- Odour: Mint
- Appearance: powder, blue, dispersible in water
- Inhalation: Mildly irritating to respiratory system, May cause breathing difficulty
- Ingestion: May cause irritation

4. First Aid Measures

- IF ON SKIN: Wash with plenty of soap and water.
- Seek medical attention if irritation persists

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Irrigate eyes thoroughly whilst lifting eyelids
- Seek medical attention if irritation persists

- IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- Never make an unconscious person vomit or drink fluids
- Give 200-300mls (half pint) water to drink
- Obtain immediate medical attention

- Inhalation is unlikely to occur
- IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

Most important symptoms and effects, both acute and delayed
- Possible redness and irritation of affected areas
- In cases of severe exposure, breathing difficulty may develop

- May cause gastro-intestinal disturbances
Indication of immediate medical attention and special treatment needed

5. Fire-fighting Measures

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
- Do not use water fog

Special hazards arising from the substance or mixture
- Smoke from fires is toxic. Take precautions to protect personnel from exposure

Advice for firefighters
- Substance evolves toxic fumes, wear self-contained breathing apparatus

6. Accidental Release Measures

- Wear protective clothing as per section 8

Environmental Precautions
- No special precautions are required for this product

Methods and material for containment and cleaning up
- Sweep or shovel-up spillage and remove to a safe place
- Flush spill area with copious amounts of water

Reference to other sections
- None

7. Handling and Storage

- Wear protective clothing as per section 8
- Avoid contact with skin and eyes (S24/25)

Conditions for safe storage, including any incompatibilities
- Keep in a cool, dry, well ventilated place

Specific end use(s)

8. Exposure controls and personal protection

Control parameters
- No exposure limits have been set for this substance

Exposure controls
- No special precautions are required for this product

Occupational exposure controls
- Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended)

- Respiratory protection may be required under exceptional circumstances when excessive air contamination exists

Gloves Goggles No Smoking

9. Physical and chemical properties

Odour:	Mint
Appearance:	powder, blue, dispersible in water
Boiling point	not applicable
Vapour pressure	not applicable
Vapour density	not applicable
Water solubility	~100 g/l
Density	1 - 1,1 g/cm3
Other information	None

10. Stability and reactivity

Reactivity	This article is considered stable under normal conditions
Chemical stability	Considered stable under normal conditions
Possibility of hazardous reactions	No hazardous reactions known if used for its intended purpose
Conditions to avoid	Avoid contact with acids and alkalis
Incompatible materials	Incompatible with acids and alkalis
Hazardous Decomposition Products	No hazardous decomposition products known

11. Toxicological information

Information on toxicological effects	No experimental data available
Inhalation	- Inhalation is unlikely to occur - May cause breathing difficulty
Contact with skin	Causes redness and irritation
Contact with eyes	Causes redness and irritation
Ingestion	- No effects for small dosage. Large dose effects not known - May cause gastro-intestinal disturbances
Carcinogenicity	- No evidence of carcinogenic effects

12. Ecological information

Toxicity

Persistence and degradability
- Its main ingredients will either dissolve rapidly and dissociate in water or are readily/inherently biodegradable.
- If this substance is discharged at low concentrations into an adapted biological effluent treatment plant, the degrading action of the activated

sludge will not be affected

Bioaccumulation Potential
- Bioaccumulation of the components in this product is insignificant.

Mobility in soil
- Completely soluble in water

Other Adverse Effects
- No environmental problems are expected when the product is used / handled correctly. In its intended use, the product will not be released into the environment.

13. Disposal considerations

Waste treatment methods
- Disposal should be in accordance with local, state or national legislation

14. Transport information

UN Number - n/a

UN Proper Shipping Name - n/a

Transport hazard class(es) - n/a

Packing group - n/a

Special precautions for user - Not classified as hazardous for transport

15. Regulatory information

- This Safety Data Sheet has been prepared in accordance with article 31 and annex II in REACH and Directive 453/2010/EU.

Chemical Safety Assessment : None

16. Other information

Text of R and S phrase codes used in this safety data sheet:- R36: Irritating to eyes; R36/38: Irritating to eyes and skin; R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer.

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