Material Safety Data Sheet

TOILET Cleaner Descaler Gel Vacuum (RXSOL-15-1558-005)

1. Product and Company Identifaction

Product Name	TOILET Cleaner Descaler Gel Vacuum
Product Type	RXSOL-15-1558-005

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

Phone	+91 22 65113333/ 5555 / 9999 / 27611360 / 27815540
Fax	+91 22 2781 1318 :::AOH :0091 9322594669
Email	mail@rxmarine.com

2. Composition / informationon ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols
Sulphamic Acid	5 - 10%	5329-14-6	226-218-8	36/38	Xi
Water	>60%	7732-18-5	231-791-2	-------	--------
Additive , Not classified	30 - 35	Proprietory			

3. Hazards Identification

HAZARD CLASSIFICATION :	This product is not classified as dangerous in accordance with Directives 1967/548/EEC or 1999/45/EC.
HUMAN HEALTH HAZARDS ACUTE :INHALATION :	Not a likely route of exposure. Aerosols or product mist may irritate the upper respiratory tract.
SKIN CONTACT :	May cause irritation with prolonged contact.
EYE CONTACT :	May cause irritation with prolonged contact.

4. First Aid Measures

INHALATION	Remove to fresh air, treat symptomatically. If symptoms develop, seek medical advice.
SKIN CONTACT	Remove contaminated clothing. Wash off affected area immediately with soap and plenty of water. If symptoms develop, seek medical advice.
EYE CONTACT	Get medical attention. Immediately flush eye with water for at least 15 minutes while holding eyelids open.
INGESTION	Get medical attention. Do not induce vomiting without medical advice. If conscious, washout mouth and give water to drink.
NOTE TO PHYSICIAN	Based on the individual reactions of the patient, the physician's judgement should be used to control symptoms and clinical condition.

5. Fire-fighting Measures

FLASH POINT :	Not applicable
EXTINGUISHING MEDIA :	This product would not be expected to burn unless all the water is boiled away. The remaining organics may be ignitable. Use extinguishing media appropriate for surrounding fire.
FIRE AND EXPLOSION HAZARD :	May evolve oxides of carbon (COx) under fire conditions. May evolve toxic gases or fumes under fire conditions.
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTING :	In case of fire, wear a full face positive-pressure self contained breathing apparatus and protective suit.

6. Accidental Release Measures

PERSONAL PRECAUTIONS :
Restrict access to area as appropriate until clean-up operations are complete. Use personal protective equipment recommended in Section 8 (Exposure Controls/Personal Protection). Stop or reduce any leaks if it is safe to do so. Ventilate spill area if possible.

METHODS FOR CLEANING UP :
SMALL SPILLS: Soak up spill with absorbent material. Place residues in a suitable, covered, properly labeled container. Wash affected area. LARGE SPILLS: Contain liquid using absorbent material, by digging trenches or by diking. Reclaim into recovery or salvage drums or tank truck for proper disposal. Clean contaminated surfaces with water or aqueous cleaning agents. Contact an approved waste hauler for disposal of contaminated recovered material. Dispose of material in compliance with regulations indicated in Section 13 (Disposal Considerations).

ENVIRONMENTAL PRECAUTIONS :
Prevent material from entering sewers or waterways. If drains, streams, soil or sewers become contaminated, notify local authority.

7. Handling and Storage

HANDLING :	Do not get in eyes, on skin, on clothing. Do not take internally. Use with adequate ventilation. Do not breathe vapors/gases/dust. Keep the containers closed when not in use. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Ensure all containers are labelled.
STORAGE CONDITIONS :	Store in suitable labelled containers. Store the containers tightly closed. Store separately from oxidizers.
SUITABLE CONSTRUCTION MATERIAL :	Compatibility with Plastic Materials can vary. we therefore recommend that compatibility is tested prior to use.
SPECIFIC USE(S) :	VACUUM TOILET CLEANER For specific dosages and customized applications please contact your representative.

8. Exposure controls and personal protection

OCCUPATIONAL EXPOSURE LIMITS:
This product does not contain any substance that has an established exposure limit.

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ENGINEERING MEASURES :
General ventilation is recommended. The use of local exhaust ventilation is recommended to control emissions near the source. Avoid inhalation. Use in well ventilated areas.

PERSONAL PROTECTION:

GENERAL ADVICE :
The use and choice of personal protection equipment is related to the hazard of the product, the workplace and the way the product is handled. In general, we recommend as a minimum precaution that safety glasses with side-shields and workclothes protecting arms, legs and body be used. In addition any person visiting an area where this product is handled should at least wear safety glasses with side-shields.

RESPIRATORY PROTECTION :

Not required under normal conditions of use..

HAND PROTECTION :
When handling this product, the use of chemical gloves is recommended. The choice of work glove depends on work conditions and what chemicals are handled, but we have positive experience under light handling conditions using gloves made from PVC Gloves should be replaced immediately if signs of degradation are observed.

SKIN PROTECTION :
When using large quantities or where heavy contamination is likely, wear coveralls.

EYE PROTECTION :
When handling this product, the use of safety glasses with side shields is recommended.HYGIENE

RECOMMENDATIONS :
Use good work and personal hygiene practices to avoid exposure. Consider the provision in the work area of a safety shower and eyewash. Always wash thoroughly after handling chemicals. When handling this product never eat, drink or smoke.

9. Physical and chemical properties

Information on basic physical and chemical properties:

PHYSICAL STATE	Liquid
APPEARANCE	Colorless / Blue
ODOR	Pleasant
FLASH POINT	Not applicable
BOILING POINT	100°C (Approximately)
MELTING POINT	0°C (Approximately)
SPECIFIC GRAVITY	1 - 1.05
SOLUBILITY IN WATER	Complete
pH (100 %)	2

Note:
These physical properties are typical values for this product and are subject to change.

10. Stability and reactivity

STABILITY :	Stable under normal conditions.
HAZARDOUS POLYMERIZATION :	Hazardous polymerization will not occur.
CONDITIONS TO AVOID :	Heat and sources of ignition including static discharges.
MATERIALS TO AVOID :	Contact with strong oxidizers (e.g. chlorine, peroxides, chromates, nitric acid, perchlorate, concentrated oxygen,permanganate) may generate heat, fires, explosions and/or toxic vapors., Strong acids, Strong Bases

11. Toxicological information

Health hazard summary	Irritant. Use safe work practices to avoid eye or skin contact and inhalation. Over exposure may result inirritation.
Eye	Irritant. Contact may result in irritation, lacrimation, pain and redness.
Inhalation	Irritant. Over exposure may result in irritation of the nose and throat, with coughing.
Skin	Irritant. Contact may result in drying and defatting of the skin, rash and dermatitis.
Ingestion	May be harmful. Ingestion of large quantities may result in nausea, vomiting and gastrointestinal irritation. Irritant. Use safe work practices to avoid eye or skin contact and inhalation. Over exposure may result in irritation.
Toxicity data	SULPHAMIC ACID (5329-14-6)

LD50 (ingestion)	1050 mg/kg (guinea pig)
LDLo (intraperitoneal)	100 mg/kg (rat)

12. Ecological information

ECOTOXICOLOGICAL EFFECTS	No toxicity studies have been conducted on this product.
MOBILITY	No harmful effects to terrestrial or aquatic organisms are likely to occur.

PERSISTENCY AND DEGRADATION	Biological Oxygen Demand (BOD) : The organic portion of this preparation is expected to be readily biodegradable.
BIOACCUMULATION POTENTIAL:	This preparation or material is not expected to bioaccumulate.

13. Disposal considerations

Reuse where possible. For small amounts, flush to sewer with excess water. Alternatively absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Contact the manufacturer/supplier for additional information if disposing of large quantities (if required). Aquatic life may be threatened and environmental damage may result if large quantities are allowed to enter waterways.

LEGISLATION
Dispose of in accordance with relevant local legislation.

14. Transport information

The information in this section is for reference only and should not take the place of a shipping paper (bill of lading) specific to an order. Please note that the proper Shipping Name / Hazard Class may vary by packaging, properties, and mode of transportation. Typical Proper Shipping Names for this product are as follows.

LAND TRANSPORT:
Proper Shipping Name : PRODUCT IS NOT REGULATED DURING TRANSPORTATION

TRANSPORTATION:

AIR TRANSPORT (ICAO/IATA)
Proper Shipping Name : PRODUCT IS NOT REGULATED DURING TRANSPORTATION

TRANSPORTATION:

MARINE TRANSPORT (IMDG/IMO):
Proper Shipping Name : PRODUCT IS NOT REGULATED DURING TRANSPORTATION

15. Regulatory information

CLASSIFICATION AND LABELLING :
This preparation is not regulated, however, we recommend the following safety precautions:

SAFETY PHRASES
S24/25 - Avoid contact with skin and eyes.
S37/39 - Wear suitable gloves and eye/face protection.

INTERNATIONAL CHEMICAL CONTROL LAWS
EUROPE:
The substances in this preparation have been reviewed for compliance with the EINECS or ELINCS inventories.,The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

16. Other information

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.