

1. Product and Company Identification

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Product Name Drain Cleaner BIO
Part Number RXSOL-29-1085-220

Company Details:....

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
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2. Composition / Information on ingredients

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Component	Classification	Concentration
Proprietary Non Hazardous Compund		100%

3. Hazards Identification

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Classification of the substance or mixture

Physical hazards	Not Classified
Health hazards	Skin Corr. 1A - H314 Eye Dam. 1 - H318
Environmental hazards	Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411
Label elements	
Signal word	Warning
Hazard statements	H314 Causes severe skin burns and eye damage. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.
Precautionary Statements	P102 Keep out of reach of children. Do not mix with other products especially acidic products. P260 Do not breathe mist. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water or shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P315 Get immediate medical advice/ attention.

P501 Dispose of contents/ container in accordance with local regulations.

EUH031 Contact with acids liberates toxic gas.

This product does not contain any substances classified as PBT or vPvB.

Supplemental label information

Other hazards

4. First Aid Measures

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Description of first aid measures

Inhalation

Unlikely route of exposure as the product does not contain volatile substances. If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Ingestion

Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately

Skin contact

Wash with plenty of water. Get medical attention promptly if symptoms occur after washing.

Eye contact

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Get medical attention immediately. Continue to rinse.

Most important symptoms and effects, both acute and delayed

General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation

Irritation of nose, throat and airway.

Ingestion

May cause chemical burns in mouth and throat.

Skin contact

Burning pain and severe corrosive skin damage. May cause serious chemical burns to the skin.

Eye contact

Severe irritation, burning and tearing. Prolonged contact causes serious eye and tissue damage.

Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

5. Fire-fighting Measures

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Suitable Extinguishing Media

The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

Special hazards arising from the substance or mixture

Specific hazards

Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours.

Advice for firefighters

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing, gloves, eye and face protection. For personal protection, see Section 8.
Environmental Precautions	Dangerous for the environment. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
Methods and material for containment and cleaning up	
Methods for cleaning up	Small Spillages: Flush away spillage with plenty of water. Large Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely.
Reference to other sections	For personal protection, see Section 8.

7. Handling and Storage

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Precautions for safe handling

Usage precautions	Wear protective clothing, gloves, eye and face protection.
Conditions for safe storage, including any incompatibilities	
Storage precautions	Keep only in the original container in a cool, well-ventilated place. Protect from sunlight. Keep container tightly closed. Store away from the following materials: Acids.
Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
Usage description	See Product Information Sheet & Label for detailed use of this product.

8. Exposure controls and personal protection

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Control Parameters

Occupational exposure limits

SODIUM HYDROXIDE	Short-term exposure limit (15-minute): WEL 2 mg/m ³
	WEL = Workplace Exposure Limit.
Exposure controls	
Appropriate engineering controls	Not relevant.
Eye/face protection	The following protection should be worn: Chemical splash goggles or face shield.
Hand protection	Wear protective gloves. (Household rubber gloves.)
Other skin and body protection	Wear suitable protective clothing as protection against splashing or contamination.
Respiratory protection	Respiratory protection not required.

9. Physical and chemical properties

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Appearance	Liquid
Colour	Clear.
Odor	Faint Characteristic
Odor threshold	No information available
pH	pH (concentrated solution): 13.70
Melting Point	-2°C
Initial boiling point and range	102°C @ 760 mm Hg

Flash point	Boils without flashing
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	Not applicable
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	1.296 @ 20°C
Solubility(ies)	Soluble in water.
Partition coefficient	Not applicable
Auto-ignition temperature	Not applicable
Decomposition Temperature	Not applicable
Viscosity	Not available.
Other information	None
Particle size	Not applicable

10. Stability and reactivity

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Reactivity	Generates toxic gas in contact with acid. Reactions with the following materials may generate heat: Strong acids.
Chemical Stability	Inadequately vented containers may become pressurised.
Possibility of Hazardous Reactions	See sections 10.1,10.4 & 10.5
Conditions to Avoid	Avoid exposure to high temperatures or direct sunlight.
Incompatible Materials	Strong acids. Aluminium, Tin, Zinc and their alloys.
Hazardous Decomposition Products	Toxic chlorine gas is released if product is mixed with acidic materials. When heated, vapours/gases hazardous to health may be formed.

11. Toxicological information

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Information on likely routes of exposure

Toxicological effects	Specific test data for the mixture is not available
Acute toxicity - oral	Specific test data for the mixture is not available
Summary	
Acute toxicity - dermal	Not applicable.
Summary	
Acute toxicity - inhalation	Not applicable.
Summary	
Skin corrosion/irritation	Not applicable.
Serious eye damage/irritation	Not applicable.
Respiratory sensitisation	Not applicable.
Summary	
Skin sensitisation	Not applicable.
Summary	
Germ cell mutagenicity	Not applicable.
Summary	
Carcinogenicity	Not applicable.
Summary	
Reproductive toxicity	Not applicable.

Summary	
Specific target organ toxicity - single exposure	Not applicable.
Summary	
Specific target organ toxicity - repeated exposure	Not applicable.
Summary	
Aspiration hazard	Not applicable.
Summary	

12. Ecological information

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Ecotoxicity	Very toxic to aquatic life. Toxic to aquatic life with long lasting effects. Another potential hazard is from the alkalinity of the product.
Toxicity	We have not carried out any Aquatic testing, therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity Data, where provided by the raw material manufacturer for ingredients with aquatic toxicity, can be made available on request.
Persistence and degradability	Sequestrant is readily degraded during biological effluent treatment processes.
Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
Partition coefficient	Not applicable.
Mobility	Not known
Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.
Endocrine disrupting properties	None known.
Other adverse effects	Now section 12.7: None known.

13. Disposal considerations

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Waste treatment methods	
Disposal methods	Discharge used solutions to drain. Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal as special waste. Rinse out empty container with water and consign to normal waste.

14. Transport information

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UN number	
UN No. (ADR/RID)	1824
UN No. (IMDG)	1824
UN No. (ICAO)	1824
UN proper shipping name	
Proper shipping name (ADR/RID)	ALKALI LIQUID, N.O.S.
Proper shipping name (IMDG)	ALKALI LIQUID, N.O.S.
Proper shipping name (ICAO)	ALKALI LIQUID, N.O.S.
Transport hazard class(es)	
ADR/RID class	Class 8: Corrosive substances.
IMDG class	Class 8: Corrosive substances.
ICAO class/division	Class 8: Corrosive substances.
Packing group	
ADR/RID packing group	II

IMDG packing group	II
ICAO packing group	II
Environmental hazards	
Special precautions for user	
EmS	F-A, S-B
Tunnel restriction code	(E)
Transport in bulk according to Annex II of MARPOL and the IBC Code	
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not relevant. for a packaged product.

15. Regulatory information

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Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation	Safety Data Sheet prepared in accordance with EU Regulation: "REACH Commission Regulation (EU) No 2020/878 (which amends Regulation (EC) No 2015/830, 453/2010 & 1907/2006)." and UK Regulation: "SI 2020 No. 1577 - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.". The product is as classified under - EU GHS: CLP - "Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures." and UK GHS: "SI 2020 No. 1567 - The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.". Ingredients are listed with classification under - EU GHS: CLP - "Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures." and UK GHS: "SI 2020 No. 1567 - The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.".
Chemical safety assessment	No chemical safety assessment has been carried out as not applicable as this product is a mixture.

16. Other information

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Other Information	<p>The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages.</p> <p>DISCLAIMER OF LIABILITY :The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.</p>
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