

1. Product and Company Identification

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Product Name Biocide DBN 20 Cooling Water
Part Number RXSOL-43-3329-025

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Chemical Name	CAS No.	EC No.	Classification
2,2-dibromo-3-nitrilopropionamide	10222-01-2	233-539-7	Xn; R20/22 Xi; R38-41
Proprietary biocide polymer blend	-	-	-

3. Hazards Identification

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Classification 1999/45/?C	Xi; R38-41-43 Symbols: Xi: Irritant.
Main hazards	Irritating to skin. Risk of serious damage to eyes. May cause sensitisation by skin contact.
Classification	EC 1272/2008 Acute Tox. 4: H302; Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 1: H318;
Signal Word	Danger
Hazard Statement	Acute Tox. 4: H302 - Harmful if swallowed. Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause skin reaction. Eye Dam. 1: H318 - Causes serious eye damage.
Precautionary statements - prevention	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash hands thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ /if you feel unwell. P302+P352 - IF ON SKIN: Wash with plenty of water/ . P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present Continue rinsing. P310 - Immediately call a POISON CENTER/doctor/ . P330 - Rinse mouth. P332+P313 - If skin irritation occurs: Get medical advice/attention. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
Precautionary Statement-Disposal	P501 - Dispose of contents/container to local and national regulations
Other hazards	No data is available on this product.

4. First Aid Measures

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Eye Contact	Rinse immediately with plenty of water for 15 minutes if irritation or symptoms persist.
Skin Contact	Remove contaminated clothing. Seek medical attention.

Inhalation:

Ingestion:

Most important symptoms and effects, both acute and delayed

Indication of any immediate medical attention and special treatment needed

immediately with plenty of soap and water.

If inhaled, If inhaled, remove to fresh air. If not breathing, if difficult, give oxygen. Call a physician.

DO NOT INDUCE VOMITING. Ingestion may cause irritation or symptoms persist.

Inhalation Inhalation may cause nausea and vomiting

Eye contact Risk of serious damage to eyes.

Skin contact Irritating to skin. May cause sensitisation

Ingestion Harmful by inhalation and if swallowed.

If you feel unwell, seek medical advice (show the label)

5. Fire-fighting Measures

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Suitable extinguishing media

Special hazards arising from the substance or mixture

Advice for firefighters

If you feel unwell, seek medical advice (show the label)

In case of fire and/or explosion do not breathe fumes or obnoxious fumes.

Wear suitable respiratory equipment when necessary.

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures

Environmental Precaution

Methods and materials for containment and cleaning up

Reference to other sections

Personal precautions, protective equipment and emergency procedures in the working area. Wear suitable protective clothing, gloves and footwear.

Do not allow runoff water to enter sewers or drains. Store the container and its container in a safe way. Prevent further spillage.

Absorb with inert, absorbent material. Sweep up. Transfer to a suitable container. Clean spillage area thoroughly with plenty of water.

See section 8 for further information.

7. Handling and Storage

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Precautions for safe handling

Conditions for safe storage, including any incompatibilities Keep container tightly closed. Keep in a cool, dry, well ventilated area. Store in correctly labelled containers

Specific end use

Suitable packaging

Adopt best Manual Handling considerations when handling. Avoid contact with eyes and skin. Use in a well ventilated area.

Keep away from food, drink and animal feedingstuffs.

Water treatment chemicals.

Plastic containers.

8. Exposure controls and personal protection

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Appropriate engineering controls

Individual protection measures

Eye / face protection

Skin Protection Hand Protection

Respiratory Protection

Ensure adequate ventilation of the working area.

Wear protective clothing.

Face shield. (Standard EN 166).

Chemical resistant gloves (PVC). (Standard EN 388)

Penetration time of Glove material: Thickness 0.4 mm, Permeation: level 6.

Do not breathe gas/fumes/vapour/spray. Suitable halogenated



Gloves Suit

9. Physical and chemical properties

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Appearance	Liquid
Colour	Amber, Brown
Odour	Slight
pH	2-5 pH Range Neat @ 25C
Melting Point	No Data Available
Initial Boilling Point	70 °C
Flash Point	182 °C
Evaporation Rate	No data available
Flammability (solid, Gas)	No data available
Autoginition Temperature	Miscible in water
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Solubility	Miscible in water
Conductivity	No Data available
Surface Tension	No data available
Specific Gravity	1.1 - 1.3 @ 25C

10. Stability and reactivity

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Recativity	Stable under normal conditions.
Chemical stability	Stable under normal conditions. Unstable at elevated temeratures.
Possibility of hazardous reactions	None.
Conditions to avoid	Keep away from direct sunlight. Keep in a cool, dry, well ventilated area. Keep only in the original container at a t exceeding 70 °C.
Incompatible materials	Avoid contact with: Oxidising agents, Bases.
Hazardous decomposition products	No data is available on this product.

11. Toxicological information

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Acute toxicity	No data is available on this product.
Eyes Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/irritation	Risk of serious damage to eyes.
Respiratory or skin sensitisation	May cause sensitisation by skin contact.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No teratogenic effects reported.
STOT	Single exposure None.
STOT	Repeated exposure None.
Aspiration hazard	None.
Repeated or prolonged exposure	Avoid prolonged or repeated exposure.

12. Ecological information

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Persistence and degradability	Readily biodegradable.
Bioaccumulative potential	Does not bioaccumulate.
Mobility in soil	No data is available on this product.
Results of PBT and vPvB assessment	None.
Other adverse effects	None

13. Disposal considerations

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Waste treatment methods	Dispose of in compliance with all local and national 16 WASTES NOT OTHERWISE SPECIFIED IN 16 03 05 organic wastes containing dangerous substances.
Disposal methods	Dispose of in compliance with all local and national 16 WASTES NOT OTHERWISE SPECIFIED IN 16 03 05 organic wastes containing dangerous substances.
Disposal of packaging	Empty containers can be sent for disposal or recycling, if in compliance with local and national regulations.

14. Transport information

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UN number:	UN3265
UN proper shipping name:	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (2,2-Di-Bromo-3-Nitrilo-Propionamide)

ADR/ ADNR

ADR/RID	8
Subsidiary risk IMDG	8
Subsidiary risk IATA	8
Subsidiary risk	14.4
Packing group	
Packing group III	14.5.
Environmental hazards	
Marine pollutant	No
ADR/RID	
Hazard ID	80
Tunnel Category	(E)
IMDG EmS Code	F-A S-B
IATA	
Packing Instruction (Cargo)	856
Maximum quantity	60L
Packing Instruction (Passenger)	852
Maximum quantity	5 L

15. Regulatory information

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Regulations	In accordance with REACH Regulation (EC) No 1831/2003, Commission Regulation (EU) 2015/830, COMMISSION REGULATION (EU) No 405/2010, and other applicable regulations.
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Chemical safety assessment
Further information

1907/2006 of the European Parliament and of the Council on the
Restriction of Chemicals (REACH), established by Council Regulation
1999/45/EC and repealing Council Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC, Council Directive
93/105/EC and 2000/21/EC.
No data available.
FOR INDUSTRIAL USE.
Water Hazard Class.: WGK 1.

16. Other information

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Other Information

The information above is believed to be accurate and complete as far as the information available to us. However, we make no warranty of accuracy, completeness or reliability, implied, with respect to such information, and we do not accept any liability. You should make their own investigations to determine the suitability of the product for particular purposes. In no event shall we be liable for any damages, including but not limited to, for lost profits or any special, indirect, incidental, or consequential damages, arising, even if **Rx Marine International** has been advised in writing of the possibility of such damages.

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