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|-----------------------|-----------------------------------------------|-----------------------|-----------------------------------|
| <b>Product Name:</b>  | <b>Drinking Water Disinfectant Food Grade</b> | <b>Part No / SKU:</b> | <b>RXSOL-33-4237-025</b>          |
| <b>Date of Issue:</b> | September 24, 2026                            | <b>Document Type:</b> | Material Safety Data Sheet (MSDS) |

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

|              |                                          |
|--------------|------------------------------------------|
| Product Name | : Drinking Water Disinfectant Food Grade |
| Part Number  | : RXSOL-33-4237-025                      |

### Company Details:

**RX MARINE INTERNATIONAL**

**105, A wing , BSEL , TECH PARK.**

**VASHI ,NEW BOMBAY 400703 INDIA**

**Branch : Kandla, Mumbai, Chennai, Vizag, Kolkata, UAE, Oman, Canada, Kenya**

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| Website | <a href="http://www.rxmarine.com">www.rxmarine.com</a> |

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

| Name of Substance        | Cas Number        | EINECS No | Wt. %   | Symbol |
|--------------------------|-------------------|-----------|---------|--------|
| Non Hazardous Ingredient | Proprietary Blend | .....     | 95-100% | ....   |

## 3. HAZARDS IDENTIFICATION

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                       | Classification according to Directive 67/548/EEC or 1999/45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Signal Word                           | Warning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Hazard Statements                     | H315: Causes skin irritation.<br>H318: Causes serious eye damage.<br>H400: Toxic to aquatic life.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Precautionary statements - prevention | Keep only in original container. Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection..                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Precautionary statements - response   | P102: Keep out of reach of children.<br>P403/P235: Store in a well ventilated area / cool place.<br>P273: Avoid release to the environment.<br>P280: Wear protective gloves / protective clothing / eye / face protection.<br>P302 + P352: IF ON SKIN: Wash with soap and water.<br>P332 + P313: If skin irritation occurs: get medical advice/attention.<br>P362 Take off contaminated clothing and wash before reuse<br>P305 + P351: IF IN EYES: Rinse with water for continuously<br>P338 several minutes, remove contact lenses if present and easy to do continuous rinsing. |

#### 4. FIRST AID MEASURES

|                     |                                                                                                                                                                                                      |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General             | In all cases of doubt, or when symptoms persists, seek medical attention                                                                                                                             |
| Eye Contact         | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.      |
| Skin Contact        | Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately. |
| Inhalation:         | N.A                                                                                                                                                                                                  |
| Ingestion:          | Only when conscious, rinse mouth, give plenty of water to drink (approx. 500 ml.). Do not induce vomiting. Seek medical attention.                                                                   |
| Notes to Physicians | Treat symptomatically.                                                                                                                                                                               |

#### 5. FIRE FIGHTING MEASURES

|                                |                                                                                                                                                                               |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flamibility                    | Non Fammable                                                                                                                                                                  |
| Suitable extinguishing media   | All Media                                                                                                                                                                     |
| Protective Equipment           | Use personal protective equipment.                                                                                                                                            |
| Hazardous combustionproducts   | In contact with heavy metals, their compounds and their alloys, sodium hypochlorite decomposes under the development of oxygen                                                |
| Advice for firefighters        | Wear self-contained breathing apparatus. Wear full protective equipment.                                                                                                      |
| Specific extinguishing methods | Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes. |

#### 6. ACCIDENTAL RELEASE MEASURES

|                                                                     |                                                                                                                                       |
|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions, protective equipment and emergency procedures | Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Use as a normally.                                       |
| Enviromental Precaution                                             | Do not allow contact with soil, surface or ground water.If the products get into drains, inform the relevant authorities immediately. |
| Methods and materials for containment and cleaning up               | Collect as much as possible in a clean container for re-use or disposal. Rinse remaining chemical with plenty of water.               |

#### 7. HANDLING AND STORAGE

|                              |                                                                                                                                                         |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Advice on safe handling      | The usual precautions for handling chemicals should be observed                                                                                         |
| Storage                      | Do not store with acids, reducing agents and flammable substances. Store in a dry well ventilated place away from sources of heat and directs sunlight. |
| Fire & explosion prevention: | Keep away from combustible material.                                                                                                                    |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Engineering Control | Effective exhaust ventilation system. .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Personal Protection | Skin protection:The usual precautions for handling chemicals should be observed<br>Eye protection: The usual precautions for handling chemicals should be observed<br>Inhalation protection:The usual precautions for handling chemicals should be observed<br>Hand protection:Wear suitable protective gloves. ( PVC or rubber recommended)<br>Other protection information:Keep locked up and out of reach for children<br>Other protection information:The usual precautions for handling chemicals should be observed |
| Exposure Limits:    | No exposure limit has been established                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Hygiene measures    | Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.                                                                                                                                                                                                        |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                 |                                                                                             |
|---------------------------------|---------------------------------------------------------------------------------------------|
| Form                            | Liquid                                                                                      |
| Colour                          | Yellow (transparent)                                                                        |
| Odour                           | Mild irritating                                                                             |
| Boiling point and boiling range | Not relevant (Decomposition under effect of heating)                                        |
| Flash Point                     | No Data Available                                                                           |
| Freezing Point                  | No Data Available                                                                           |
| pH                              | Not Determine                                                                               |
| Evaporation rate                | No data available                                                                           |
| Oxidizing properties            | Oxidizing agent producing free radicals at room/elevated temperatures or by catalytic agent |
| Upper explosion limit           | No data available                                                                           |
| Lower explosion limit           | No data available                                                                           |
| Explosive properties            | No data available                                                                           |
| Vapor pressure                  | Not determined                                                                              |
| Relative vapor density          | No data available                                                                           |
| Relative density                | 1.06-1.07 g/cm <sup>3</sup> (20°C)                                                          |
| Water solubility                | 100% Soluble                                                                                |
| Solubility in other solvents    | No data available                                                                           |
| Partition coefficient: octanol  | No data available                                                                           |
| Autoignition temperature        | No data available                                                                           |
| Thermal decomposition           | No data available                                                                           |
| Viscosity, kinematic            | No data available                                                                           |
| Explosive properties            | No data available                                                                           |
| Molecular weight                | No data available                                                                           |
| VOC                             | No data available                                                                           |

## 10. STABILITY AND REACTIVITY

|                                    |                                                                                                                              |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                         | None                                                                                                                         |
| Stability                          | Decomposition starts at 10 °C                                                                                                |
| Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use.                                                                  |
| Incompatible materials             | Avoid to contact with strong acids                                                                                           |
| Hazardous Decomposition            | Contact with heavy metals, their compounds and their alloys. Sodium hypochlorite decomposes under the development of oxygen. |
| Condition to Avoid                 | Strong acids<br>Reducing agents<br>Combustible substances<br>Protect against heat and direct sunlight                        |
| Polymerization                     | Will not occur.                                                                                                              |

## 11. TOXICOLOGICAL INFORMATION

|                           |                                                                                                                                |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Route of Exposure         | Inhalation, Eye contact, Skin contact                                                                                          |
| Eyes                      | Severely irritating                                                                                                            |
| Skin                      | Irritating to skin                                                                                                             |
| Ingestion                 | Irritating for mouth, throat, stomach and intestines                                                                           |
| Inhalation                | LC50: Rat: >10.5 mg/kg bw                                                                                                      |
| Respiratory               | Irritating to respiratory system                                                                                               |
| Acute oral toxicity       | Oral LD50: Rat: >10000 mg/kg bw                                                                                                |
| Acute inhalation toxicity | No data available                                                                                                              |
| Toxicity data:            | Skin LD50: Rabbit: >5000 mg/kg bw                                                                                              |
| Classification            | The classification was made by the conventional (calculation) method of Dangerous Preparations Directive 67/548/EEC or 1999/45 |

## 12. ECOLOGICAL INFORMATION

|                         |                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Environmental behavior: | Rxsol is based on a special formula with an additive ingredient sodium hypochlorite of 5% : No experimental ecological data available   |
| Mobility in earth:      | Decomposes                                                                                                                              |
| Ecological toxicity:    | Fish: Acute toxicity, 96h-LC50: 6 - 32mg/l<br>Daphnia: Acute toxicity, 96h-IC50: 2.1mg/l<br>Plankton: Acute toxicity, 48h-LC50: 0,4mg/l |

## 13. DISPOSAL CONSIDERATIONS

|                |                                                                                                                                                                                                 |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Remarks        | Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. |
| Waste Disposal | Waste disposal accordance with local regulations                                                                                                                                                |

## 14. TRANSPORT INFORMATION

|                                                                                                                                                                                                                                                |                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| UN Number                                                                                                                                                                                                                                      | UN 3082                                           |
| Proper shipping name                                                                                                                                                                                                                           | Substances Liquid, N.O.S. (sodium hypochlorite5%) |
| Transport hazard class(es) 8                                                                                                                                                                                                                   |                                                   |
| ADR/RID                                                                                                                                                                                                                                        | 9                                                 |
| Subsidiary risk IMDG                                                                                                                                                                                                                           | 9                                                 |
| Subsidiary risk IATA                                                                                                                                                                                                                           | 9                                                 |
| Packing group                                                                                                                                                                                                                                  |                                                   |
| Packing group                                                                                                                                                                                                                                  | III                                               |
| Environmental hazards                                                                                                                                                                                                                          |                                                   |
| Environmental hazards                                                                                                                                                                                                                          | No                                                |
| Marine pollutant                                                                                                                                                                                                                               | Yes                                               |
| ADR/RID                                                                                                                                                                                                                                        |                                                   |
| Hazard ID                                                                                                                                                                                                                                      | 80                                                |
| Tunnel Category                                                                                                                                                                                                                                | (E)                                               |
| IMDG                                                                                                                                                                                                                                           |                                                   |
| EmS Code                                                                                                                                                                                                                                       | NA                                                |
| The regulations above are valid on the revision date of this Material Safety Data Sheet. Due to possible changes in transport regulations for dangerous materials, we advise you to confirm the validity with your own transport organization. |                                                   |

## 15. REGULATORY INFORMATION

|                     |                                                                                                                                                                                                                                             |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regulations         | In accordance with REACH Regulation (EC) No 1907/2006 as last amended with respect to SDS provisions by Commission Regulation (EU) 2015/830. Classification according to Directive 67/548/EEC or 1999/45                                    |
| R(isk) phrase(s):   | R38: Irritating to skin.<br>R41: Risk of serious eye damage<br>R50: Very toxic to aquatic organisms                                                                                                                                         |
| S(afety) phrase(s): | S2: Keep out of reach of children.<br>S3/7/9: Keep container tightly closed in a cool, well ventilated place.<br>S24/25: Avoid contact with skin and eyes.<br>S36/37/39: Wear suitable protective clothing, gloves and eye/face protection. |

## 16. OTHER INFORMATION AND DISCLAIMER

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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