

1. Product and Company Identification

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Product Name Sodium Carbonate Solution 30
Part Number RXSOL-12-2700-210

Company Details:

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

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2. Composition / Information on ingredients

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| Product name | Cas No | EC No | Composition |
|---------------------------------|----------|-----------|----------------|
| Sodium carbonate | 497-19-8 | 207-838-8 | 30 percent w/w |
| Non Hazardous Proprietary Blend | - | - | 70 percent w/w |

3. Hazards Identification

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| Signal Word | Warning |
| Hazard Statements | H319 Causes serious eye irritation. |
| Precautionary statements | P264 Wash skin thoroughly after handling. P280 Wear eye protection/ face protection. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/ attention. |
| Classification of the substance or mixture | No data available |
| Supplemental Hazard Statements | No data available |
| Other hazards | This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. |

4. First Aid Measures

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| General advice | Show this material safety data sheet to the doctor in attendance |
| If inhaled | After inhalation fresh air. |
| Eye Contact | After eye contact: rinse out with plenty of water. Remove contact lenses. |
| Swallowed | After swallowing immediately make victim drink water (two glasses at |

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| Skin Contact | most). Consult a physician. 4.2 Most important |
| Inhalation | In case of skin contact Take off immediately all contaminated clothing. Rinse skin with water/ shower. Call a physician immediately |
| Ingestion | No data available |
| Most important symptoms and effects, both acute and delayed | No data available |
| Indication of any immediate medical attention and special treatment needed | The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11 |
| | No data available |

5. Fire-fighting Measures

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| Flammability | No data available |
| Suitable extinguishing media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media | For this substance/mixture no limitations of extinguishing agents are given. |
| Special hazards arising from the substance or mixture | Carbon oxides Sodium oxides Not combustible. Ambient fire may liberate hazardous vapours. |
| Further information | Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system. |
| Hazardous combustion products | No data available |
| Advice for firefighters | In the event of fire, wear self-contained breathing apparatus. |
| Protective Equipment | No data available |
| Specific Hazards Arising from the Chemical | No data available |

6. Accidental Release Measures

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| Personal precautions, protective equipment and emergency procedures | Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8. |
| Spillage | No data available |
| Personal Protection | No data available |
| Environmental Precaution | Do not let product enter drains. Risk of explosion. |
| Methods and materials for containment and cleaning | Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts. |
| Reference to other sections | For disposal see section 13. |

7. Handling and Storage

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| Advice on protection against fire and explosion | No data available |
| Incompatible materials | No data available |
| Hygiene measures | No data available |
| Advice on safe handling | For precautions see section 2.2. |
| Conditions for safe storage including any incompatibilities | No data available |
| Storage conditions | Tightly closed. Dry. Recommended storage temperature see product label. |
| Storage class | Storage class (TRGS 510)13 Non Combustible Solids |
| Specific end use(s) | Apart from the uses mentioned in section 1.2 no other specific uses are stipulated |
| Advice on general occupational hygiene | No data available |

8. Exposure controls and personal protection

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| Exposure controls | Personal protective equipment |
| Engineering Control | No data available |
| Eye/face protection | Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses |
| Body Protection | Protective clothing. |
| Skin protection | This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN 16523-1. |
| Respiratory protection | Required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Recommended Filter type: Filter type P2The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented. |
| Other Protection Measure | No data available |

9. Physical and chemical properties

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| Physical state | Powder |
| Colour | White |
| Odour | Odorless |
| Odor Threshold | No data available |
| pH | 12 at 106 g/l at 25 °C |
| Melting Point | 851 °C - Decomposition |
| Boiling Point | 1.600 °C - (decomposition) |
| Flash Point | No data available |
| Evaporation Rate | No data available |
| Flammability (solid, gas) | No data available |
| Explosive limits | No data Available |
| Upper/lower flammability or explosive limits | No data available |
| Autoignition temperature | No data available |
| Decomposition temperature | 400 °C |
| Vapour pressure | No data available |
| Viscosity | No data available |
| Density | < 1 kg/m ³ |
| Relative Density | No data available |
| Specific Gravity | No data available |
| Partition coefficient | No data available |
| Explosive properties | No data available |
| Solubility | ca.212,5 g/l at 20 °C - OECD Test Guideline 105- completely soluble |
| Ignition temperature | No data available |
| Particle characteristics | No data available |

10. Stability and reactivity

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| Reactivity | No data available |
| Chemical stability | The product is chemically stable under standard ambient conditions (room |

Possibility of hazardous reactions

temperature)

Violent reactions possible with Aluminum Alkaline earth metals organic nitro compounds Fluorine Alkali metals nonmetallic oxides conc. sulfuric acid

Conditions to avoid

No data available

Incompatible materials

No data available

Hazardous decomposition products

In the event of fire: see section 5

11. Toxicological information

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Acute toxicity

LD50 Oral - Rat - male and female - 2.800 mg/kg (ECHA) Inhalation:

No data available LD50 Dermal - Rabbit - > 2.000 mg/kg (US-EPA)

Skin corrosion/irritation

Skin - Rabbit No skin irritation - 4 h (OECD Test Guideline 404)

Serious eye damage/irritation

Eyes - Rabbit Eye irritation (US-EPA)

Respiratory or skin sensitization

No data available

Carcinogenicity

No data available

Germ cell mutagenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Additional Information

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological information

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Persistence and degradability

The methods for determining the biological degradability are not applicable to inorganic substances.

Toxicity to fish

Static test LC50 - Lepomis macrochirus (Bluegill sunfish) - 300 mg/l - 96 h (ECHA)

Toxicity to daphnia and other aquatic invertebrates

Semi-static test EC50 - Ceriodaphnia (water flea) - 220 - 227 mg/l - 48 h (ECHA)

Toxicity

No data available

Toxicity to bacteria

No data available

Toxicity to algae

No data available

Products Biodegradation

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher

Other adverse effects

No data available

13. Disposal considerations

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Product

No data available

Contaminated packaging

No data available

Waste treatment Method

No data available

14. Transport information

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|------------------------------|-----------------------------|--------------------------|--------------------------|
| UN number | ADR/RID:- | IMDG:- | IATA:- |
| UN proper shipping name | ADR/RID:Not dangerous goods | IMDG:Not dangerous goods | IATA:Not dangerous goods |
| Transport hazard class(es) | ADR/RID:- | IMDG:- | IATA:- |
| Packaging group | ADR/RID:- | IMDG:- | IATA:- |
| Environmental hazards | ADR/RID:No | IMDG:No | IATA:No |
| Special precautions for user | No data available | | |
| Further information | No data available | | |

15. Regulatory information

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| Safety, health and environmental regulations/legislation specific for the substance or mixture | This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006. |
| Other regulations | Take note of Dir 94/33/EC on the protection of young people at work. |
| Chemical Safety Assessment | A Chemical Safety Assessment has been carried out for this substance. |

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> |
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