

# SMBS Ballast Guard

Part No. RXSOL-23-1496-025 — Generated 28 Sep 2026

## 1. Product and Company Identification

|              |                    |
|--------------|--------------------|
| Product Name | SMBS Ballast Guard |
| Part Number  | RXSOL-23-1496-025  |

### 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 and KENYA

|         |                                                          |
|---------|----------------------------------------------------------|
| Phone   | +91 22 20871200 - 1400                                   |
| Fax     | +91 22 27612100 ::AOH :0091 9821214367                   |
| Email   | <a href="mailto:mail@rxmarine.com">mail@rxmarine.com</a> |
| Website | <a href="http://www.rxmarine.com">www.rxmarine.com</a>   |

## 2. Composition / information on ingredients

| Chemical Name        | Cas No    | EC No     | Whight       | Formula                           |
|----------------------|-----------|-----------|--------------|-----------------------------------|
| Sodium Metabisulfite | 7681-57-4 | 231-673-0 | 190,11 g/mol | $\text{Na}_2\text{O}_5\text{S}_2$ |

Proprietary ingredient: Non Hazardous blend of proprietary formulations

## 3. Hazards Identification

|                                            |                                                                                                                                                                                                    |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal Word                                | Danger                                                                                                                                                                                             |
| Hazard Statements                          | H318 Causes serious eye damage.                                                                                                                                                                    |
| Precautionary statements                   | 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      |
| Classification of the substance or mixture | Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.                                                                                                                    |
| Supplemental Hazard Statements             | None                                                                                                                                                                                               |
| 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. |

## 4. First Aid Measures

|                |                                                                                                                 |
|----------------|-----------------------------------------------------------------------------------------------------------------|
| General advice | Show this material safety data sheet to the doctor in attendance.                                               |
| If inhaled     | If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| Eye Contact    | After eye contact: rinse out with plenty of water. Immediately call in ophthalmologist. Remove contact lenses.  |
| Swallowed      | After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.               |

|                                                                            |                                                                                                                                                            |
|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Skin Contact                                                               | In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.                                                    |
| Inhalation                                                                 |                                                                                                                                                            |
| Ingestion                                                                  | Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or Poison Control Center immediately. |
| Most important symptoms and effects, both acute and delaye                 | The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11                                        |
| Indication of any immediate medical attention and special treatment needed | No data available                                                                                                                                          |

## 5. Fire-fighting Measures

|                                                       |                                                                                                                                                                |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flammability                                          | May be combustible at high temperature.                                                                                                                        |
| Suitable extinguishing media                          | For this substance/mixture no limitations of extinguishing agents are given.                                                                                   |
| Unsuitable extinguishing media                        | Do NOT use water jet.                                                                                                                                          |
| Special hazards arising from the substance or mixture | Sulfur 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                         | Fire may cause the evolution of Sulphur oxides, nitrogen oxides.                                                                                               |
| Advice for firefighters                               | In the event of fire, wear self-contained breathing apparatus.                                                                                                 |
| Protective Equipment                                  | Use personal protective equipment.                                                                                                                             |
| Specific Hazards Arising from the Chemical            | Has a fire-promoting effect due to the release of oxygen.<br>Ambient fire may liberate hazardous vapours.                                                      |

## 6. Accidental Release Measures

|                                                                     |                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions, protective equipment and emergency procedures | Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.                                                                                                  |
| Spillage                                                            | Oxidizing material. Stop leak if without risk. Avoid contact with a combustible material (wood, paper, oil, clothing...). Keep substance damp using water spray. Do not touch spilled material. Prevent entry into sewers, basements or confined areas dike if needed. Eliminate all ignition sources. Call for assistance on disposal. |
| Personal Protection                                                 | Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. Advice for emergency responders: Protective equipment see section 8.                                                                                                                          |
| Enviromental Precaution                                             | Do not let product enter drains.                                                                                                                                                                                                                                                                                                        |
| 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

|                                                 |                                                                                                                |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Advice on protection against fire and explosion | Keep away from sources of ignition - No smoking.Take measures to prevent the build up of electrostatic charge. |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------|

|                                                              |                                                                                                                                                            |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Incompatible materials                                       | Keep away from alkalis, strong oxidizing agents and metals. Provide containment walls of adequate capacity to hold any accidental spills.                  |
| Hygiene measures                                             | Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. For precautions see section 2.2.          |
| Advice on safe handling                                      | Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.                                                                                       |
| Conditions for safe storage, including any incompatibilities | Tightly closed. Dry. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons. Moisture sensitive. |
| Storage conditions                                           | Tightly closed. Dry. Do not store near acids. Air and moisture sensitive.                                                                                  |
| Storage class                                                | Storage class (TRGS 510): 3: Flammable liquids                                                                                                             |
| Specific end use(s)                                          | Apart from the uses mentioned in section 1.2 no other specific uses are stipulated                                                                         |
| Advice on general occupational hygiene                       | Advice on safe handling Observe label precautions. Change contaminated clothing. Wash hands after working with substance.                                  |

## 8. Exposure controls and personal protection

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Exposure controls                 | No specific additional engineering controls are required. Provide good natural or artificial ventilation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Engineering Control               | Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Eye/face protection               | Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Tightly fitting safety goggles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Body Protection                   | protective clothing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Skin protection                   | <p>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 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: <a href="http://www.kcl.de">www.kcl.de</a>). Full contact Material: Nitrile rubber Minimum layer thickness: 0,11 mm Break through time: 480 min Material tested:KCL 741 Dermatrill® L 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 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: <a href="http://www.kcl.de">www.kcl.de</a>). Splash contact Material: Nitrile rubber Minimum layer thickness: 0,11 mm Break through time: 480 min Material tested:KCL 741 Dermatrill® L</p> |
| 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 P2 The 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          | Handle in accordance with good industrial hygiene and safety practice.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Control of environmental exposure | Prevent further leakage or spillage if safe to do so. Do not let product enter drains.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## 9. Physical and chemical properties

|                |                        |
|----------------|------------------------|
| Physical state | Powder, Solid          |
| Colour         | White                  |
| Odour          | No data available      |
| Odor Threshold | Not Applicable         |
| pH             | 4.5 at 50 g/l at 20 °C |

|                                              |                                 |
|----------------------------------------------|---------------------------------|
| Melting Point                                | > 300 °C - lit.                 |
| Boiling Point                                | 97 °C - lit.                    |
| Flash Point                                  | 6 °C - closed cup               |
| Evaporation Rate                             | Not Applicable                  |
| 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                    | > 150 °C                        |
| Vapour pressure                              | No data available               |
| Viscosity                                    | No data available               |
| Density                                      | 2,36 g/cm <sup>3</sup> at 20 °C |
| Relative Density                             | No data available               |
| Specific Gravity                             | No data available               |
| Partition coefficient                        | No data available               |
| Explosive properties                         | No data available               |
| Solubility                                   | 650 g/l at 20 °C                |
| Ignition temperature                         | No information available.       |
| Particle characteristics                     | No data available               |

## 10. Stability and reactivity

|                                    |                                                                                                                  |
|------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Reactivity                         | Contact with acids liberates toxic gas.                                                                          |
| Chemical stability                 | The product is chemically stable under standard ambient conditions (room temperature) .<br>Exposure to moisture. |
| Possibility of hazardous reactions | Generates dangerous gases or fumes in contact with: Acids                                                        |
| Conditions to avoid                | Heat. Exposure to air. no information available                                                                  |
| Incompatible materials             | Strong acids, Strong oxidizing agents                                                                            |
| Hazardous decomposition products   | In the event of fire: see section 5                                                                              |

## 11. Toxicological information

|                                   |                                                                                                                                                                                                                    |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute toxicity                    | LD50 Oral - Rat - male and female - 1.540 mg/kg (OECD Test Guideline 401) LC50 Inhalation - Rat - male and female - 4 h - > 5,5 mg/l - aerosol (OECD Test Guideline 403) Remarks: (in analogy to similar products) |
| Skin corrosion/irritation         | Skin - Rabbit Result: No skin irritation - 4 h (OECD Test Guideline 404)                                                                                                                                           |
| Serious eye damage/irritation     | Eyes - Rabbit Result: Causes serious eye damage. (OECD Test Guideline 405) Remarks: (Regulation (EC) No 1272/2008, Annex VI)                                                                                       |
| Respiratory or skin sensitization | Local lymph node assay (LLNA) - Mouse Result: negative (OECD Test Guideline 429) Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.                                     |
| 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                           | RTECS: UF9625000 Lung irritation, Cyanosis, Central nervous system depression To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. |

## 12. Ecological information

|                                                     |                                                                                                                                                                                                    |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Persistence and degradability                       | No data available                                                                                                                                                                                  |
| Toxicity to fish                                    | static test LC50 - Leuciscus idus (Golden orfe) - 316 mg/l - 96 h (DIN 38412 part 15)                                                                                                              |
| Toxicity to daphnia and other aquatic invertebrates | static test EC50 - Daphnia magna (Water flea) - 89 mg/l - 48 h Remarks: (ECHA)                                                                                                                     |
| Toxicity to bacteria                                | static test EC50 - activated sludge - > 1.000 mg/l - 3 h (OECD Test Guideline 209)                                                                                                                 |
| Toxicity to algae                                   | static test ErC50 - Desmodesmus subspicatus (green algae) - 43,8 mg/l - 72 h (OECD Test Guideline 201)                                                                                             |
| Products Biodegradation                             | The methods for determining the biological degradability are not applicable to inorganic substances.                                                                                               |
| 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                     | No data available                                                                                                                                                                                  |
| Other adverse effects                               | No data available .                                                                                                                                                                                |

## 13. Disposal considerations

|                        |                   |
|------------------------|-------------------|
| Waste treatment Method | No data available |
|------------------------|-------------------|

## 14. Transport information

|                              |                                                                      |                          |                          |
|------------------------------|----------------------------------------------------------------------|--------------------------|--------------------------|
| 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          | Not classified as dangerous in the meaning of transport regulations. |                          |                          |

## 15. Regulatory information

|                                                                                                |                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                              | Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable. Take note of Dir 94/33/EC on the protection of young people at work. |

## 16. Other information

### Other Information

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.

**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.