

# AdBlue Rx (RXSOL-70-7020-100)

MATERIAL SAFETY DATA SHEET • SALALAH CHEMICAL, OMAN

## 1. Product and Company Identification

[www.rxmarine.com](http://www.rxmarine.com)

|              |                   |
|--------------|-------------------|
| Product Name | AdBlue Rx         |
| Part Number  | RXSOL-70-7020-100 |

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

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| Chemical Name | Cas No  | EC No     | Weight      | Formula                          |
|---------------|---------|-----------|-------------|----------------------------------|
| Urea          | 57-13-6 | 200-315-5 | 60,06 g/mol | CH <sub>4</sub> N <sub>2</sub> O |

## 3. Hazards Identification

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|                                            |                                                                                                                                                                                         |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal Word                                | No data available                                                                                                                                                                       |
| Hazard Statements                          | No data available                                                                                                                                                                       |
| Precautionary statements                   | No data available                                                                                                                                                                       |
| 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% |

## 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 make victim drink water (two glasses at most). Consult doctor if feeling unwell.                   |
| Skin Contact                                                               | In case of skin contact Take off immediately all contaminated clothing. Rinse skin with water/ shower.              |
| Inhalation                                                                 | No data available                                                                                                   |
| Ingestion                                                                  | No data available                                                                                                   |
| 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

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|                                                       |                                                                                                                                                                |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flammability                                          | No data available                                                                                                                                              |
| Suitable extinguishing media                          | Water Foam Carbon dioxide (CO2) Dry powder                                                                                                                     |
| Unsuitable extinguishing media                        | For this substance/mixture no limitations of extinguishing agents are given                                                                                    |
| Special hazards arising from the substance or mixture | Carbon oxides Nitrogen oxides (NOx) Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.                           |
| 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                                                 | Avoid dust formation. Avoid breathing vapors, mist or gas. For personal protection 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

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|                                                              |                                                                                    |
|--------------------------------------------------------------|------------------------------------------------------------------------------------|
| Advice on protection against fire and explosion              | Provide appropriate exhaust ventilation at places where dust is formed.            |
| 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.                                                               |
| Storage class                                                | Storage class (TRGS 510) 11 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          | No data available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 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 EN374 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 Sigma-Aldrich- U5128 Page 4 of 9 The life science business of Merck operates as MilliporeSigma in the US and Canada 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 EN374 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 |
| 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 P1 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 | No data available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## 9. Physical and chemical properties

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|                |        |
|----------------|--------|
| Physical state | Liquid |
|----------------|--------|

|                                              |                                                          |
|----------------------------------------------|----------------------------------------------------------|
| Colour                                       | Clear                                                    |
| Odour                                        | Odorless                                                 |
| Odor Threshold                               | No data available                                        |
| pH                                           | 7,5 - 9,5 at 480 g/l at 25 °C                            |
| Melting Point                                | 132 - 135 °C                                             |
| Boiling Point                                | Decomposes below the boiling point.                      |
| 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                                        |
| Density                                      | 1,335 g/mL at 25 °C                                      |
| Relative Density                             | 1,33 at 20 °C - Regulation (EC) No. 440/2008, Annex, A.3 |
| Specific Gravity                             | No data available                                        |
| Solubility                                   | Soluble in Water                                         |

## 10. Stability and reactivity

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|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                         | The following applies in general to flammable organic substances and mixtures in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.                                                                                                                                                                                                                                                                                                                                                                                      |
| Chemical stability                 | The product is chemically stable under standard ambient conditions (room temperature)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Possibility of hazardous reactions | Exothermic reaction with metallic chlorides Chlorites chromates/perchromates Fluorine nitrates strong oxidising agents hydrogen peroxide Generates dangerous gases or fumes in contact with bases chlorinated solvents Risk of explosion/exothermic reaction with: ammonium nitrate calcium hypochlorite Chlorine chromyl chloride Nitroso compound sodium hypochlorite nitrosyl compounds phosphorus pentachloride perchlorates Sigma-Aldrich- U5128 Page 6 of 9 The life science business of Merck operates as MilliporeSigma in the US and Canada nitrites Nitro compounds |
| Conditions to avoid                | Warming.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Incompatible materials             | various plastics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Hazardous product decomposition    | In the event of fire see section 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## 11. Toxicological information

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|                           |                                                                         |
|---------------------------|-------------------------------------------------------------------------|
| Acute toxicity            | LD50 Oral - Rat - 8.471 mg/kg (RTECS) Symptoms: Nausea, Vomiting        |
| Skin corrosion/irritation | Skin - Rabbit Result No skin irritation - 4 h (OECD Test Guideline 404) |

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Serious eye damage/eye irritation              | Yes - Rabbit Result slight irritation (OECD Test Guideline 405)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Respiratory or skin sensitization              | No data available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Carcinogenicity                                | 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 Sigma-Aldrich- U5128 Page 7 of 9 The life science business of Merck operates as MilliporeSigma in the US and Canada 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. RTECS: YR6250000 To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Substances which occur in nature No toxic effects are to be expected when the product is handled appropriately. Handle in accordance with good industrial hygiene and safety practice. |

## 12. Ecological information

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|                                                     |                                                                                                                                                                                                                                                             |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Persistence and degradability                       | No data available                                                                                                                                                                                                                                           |
| Toxicity to fish                                    | No data available                                                                                                                                                                                                                                           |
| Toxicity to daphnia and other aquatic invertebrates | No data available                                                                                                                                                                                                                                           |
| Toxicity                                            | No data available                                                                                                                                                                                                                                           |
| Toxicity to bacteria                                | No data available                                                                                                                                                                                                                                           |
| Toxicity to algae                                   | Ecx - Scenedesmus quadricauda (Green algae) - > 10.000 mg/l - 8 d (Lit.) (urea)                                                                                                                                                                             |
| Products Biodegradation                             | No data available                                                                                                                                                                                                                                           |
| Mobility in soil                                    | No data available                                                                                                                                                                                                                                           |
| Results of PBT av PvB 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                               | Discharge into the environment must be avoided.                                                                                                                                                                                                             |

## 13. Disposal considerations

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|                        |                                                                                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product                | See <a href="http://www.retrologistik.com">www.retrologistik.com</a> for processes regarding the return of chemicals and containers, or contact us there if you have further questions. |
| 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 good IATA:Not dangerous goods |                          |          |
| Transport hazard classess    | ADR/RID:-                                                                    | IMDG:-                   | IATA:-   |
| Packaging group              | ADR/RID-                                                                     | IMDG:-                   | IATA:-   |
| Environmental hazards        | ADR/RID:No                                                                   | IMDG Marine pollutant: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                                                                              | No data available                                                                               |
| Chemical Safety Assessment                                                                     | For this product a chemical safety assessment was not carried out                               |

## 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 be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages.</p> <p>DISCLAIMER OF LIABILITY :The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.</p> |
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