

**Product Name:** Butyl Benzyl Phthalate**Part No / SKU:** RXSOL-19-1248-025**Date of Issue:** September 11, 2026**Document Type:** Material Safety Data Sheet (MSDS)

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

|              |                        |
|--------------|------------------------|
| Product Name | Butyl Benzyl Phthalate |
| Part Number  | RXSOL-19-1248-025      |

### 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

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

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name          | CAS     | EC number | Weight  | Formula                                        |
|------------------------|---------|-----------|---------|------------------------------------------------|
| Benzyl butyl phthalate | 85-68-7 | 201-622-7 | = 100 % | C <sub>19</sub> H <sub>20</sub> O <sub>4</sub> |

### 3. HAZARDS IDENTIFICATION

|                                                 |                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal Word                                     | Danger                                                                                                                                                                                                                                                                                                                    |
| Hazard Statements                               | H360FD May damage fertility. May damage the unborn child. H410 Very toxic to aquatic life with long lasting effects.                                                                                                                                                                                                      |
| P280 Wear protective gloves. P305 + P351 + P338 | Wear eye protection/ face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.                                                                                                                                                    |
| Precautionary statements                        | P202 Do not handle until all safety precautions have been read and understood. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P308 + P313 IF exposed or concerned: Get medical advice/ attention. P391 Collect spillage. P405 Store locked up. |
| Classification of the substance or mixture      | Classification according to Regulation (EC) No 1272/2008 Reproductive toxicity (Category 1B), H360FD Short-term (acute) aquatic hazard (Category 1), H400 Long-term (chronic) aquatic hazard (Category 1), H410 For the full text of the H-Statements mentioned in this Section, see Section 16.                          |
| 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                                                                 | After inhalation: fresh air. Call in physician.                                                                                                            |
| Eye Contact                                                                | After eye contact: rinse out with plenty of water. 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. Consult a physician.                               |
| Inhalation                                                                 | Remove patient to fresh air, keep warm and at rest and get medical assistance in necessary.                                                                |
| 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.                                                                                                                                                                                       |
| Flash Point                                           | Higher than 93.3°C (200°F).                                                                                                                                                                                                   |
| Suitable extinguishing media                          | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Water Foam Carbon dioxide (CO2) Dry powder                                                                                                           |
| Unsuitable extinguishing media                        | For this substance/mixture no limitations of extinguishing agents are given. For this substance/mixture no limitations of extinguishing agents are given.                                                                     |
| Special hazards arising from the substance or mixture | Carbon oxides Combustible. Vapors are heavier than air and may spread along floors. Forms explosive mixtures with air on intense heating. Development of hazardous combustion gases or vapours possible in the event of fire. |
| Further information                                   | 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                               | Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.                                                                 |
| 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: Do not breathe vapors, aerosols. 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.                                                                                                                          |
| Environmental 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 carefully with liquid-absorbent material (e.g. Chemizorb®). Dispose of properly. Clean up affected area.                                                                                                      |

## 7. HANDLING AND STORAGE

|                                                 |                                                                                                                                                                |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Advice on safe handling                         | Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.                                                                        |
| Advice on protection against fire and explosion | Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.                                        |
| Incompatible materials                          | Keep away from alkalis, strong oxidizing agents and metals. Provide containment walls of adequate capacity to hold any accidental spills.                      |
| Hygiene measures                                | Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance. For precautions see section 2.2. |
| Storage conditions                              | Tightly closed. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons.                              |
| Storage class                                   | Storage class (TRGS 510): 6.1C: Combustible, acute toxic Cat.3 / toxic compounds or compounds which causing chronic effects                                    |
| 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.                                      |
| Requirements for storage                        | Keep in cool and store under shade.                                                                                                                            |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Exposure controls                 | No specific additional engineering controls are required. Provide good natural or artificial ventilation.                                                                                                                                                                                                                                                                                                                                                                                                              |
| Engineering Control               | Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.                                                                                                                                                                                                                                        |
| 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                   | Full contact Material: Nitrile rubber Minimum layer thickness: 0,4 mm Break through time: 480 min Material tested: Camatril® (KCL 730 / Aldrich Z677442, Size M) Splash contact Material: Nature latex/chloroprene Minimum layer thickness: 0,6 mm Break through time: 60 min Material tested: Lapren® (KCL 706 / Aldrich Z677558, Size M)                                                                                                                                                                             |
| Respiratory protection            | Required when vapours/aerosols 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 ABEK 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 | Do not let product enter drains. Risk of explosion.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Thermal hazards                   | No data available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                              |                                          |
|----------------------------------------------|------------------------------------------|
| Physical state                               | Oily, liquid                             |
| Colour                                       | Colorless                                |
| Odour                                        | Odorless                                 |
| Odor Threshold                               | Not Applicable                           |
| pH                                           | 7 at 20 °C                               |
| Melting Point                                | -35 °C                                   |
| Boiling Point                                | 235 - 255 °C at 13 hPa                   |
| Flash Point                                  | 113,0 °C                                 |
| Evaporation Rate                             | Not Applicable                           |
| Flammability (solid, gas)                    | No data available                        |
| Explosive limits                             | No Data Available                        |
| Upper/lower flammability or explosive limits | 1,2 %(V)                                 |
| Autoignition temperature                     | No data available                        |
| Decomposition temperature                    | No data available                        |
| Vapour pressure                              | 19,2 hPa at 250,0 °C 0,3 hPa at 150,0 °C |
| Viscosity dynamic                            | 42 mPa.s at 25 °C                        |
| Density                                      | 1,1 g/cm3 at 25 °C                       |
| Relative Vapour Density                      | No data available                        |
| Freezing point                               | No data available                        |
| Specific Gravity                             | No data available                        |
| Partition coefficient                        | log Pow: 4,91 at 20 °C                   |
| Explosive properties                         | No data available                        |
| Solubility                                   | 0,00269 g/l at 25 °C                     |
| Ignition temperature                         | No information available.                |
| Particle characteristics                     | No data available                        |

## 10. STABILITY AND REACTIVITY

|                                    |                                                                                                                                                                                                                                |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                         | Forms explosive mixtures with air on intense heating. A range from approx. 15 Kelvin below the flash point is to be rated as critical.                                                                                         |
| Stability                          | The product is chemically stable under standard ambient conditions (room temperature) .                                                                                                                                        |
| Possibility of hazardous reactions | Risk of ignition or formation of inflammable gases or vapours with: strong oxidising agents chromium(VI) oxide<br>Exothermic reaction with: Alkali metals Alkaline earth metals Aluminum strong reducing agents Acid chlorides |
| Conditions to avoid                | Strong heating.                                                                                                                                                                                                                |
| Incompatible materials             | Strong oxidizing agents, Strong bases                                                                                                                                                                                          |
| Hazardous Polymerization           | In the event of fire: see section 5                                                                                                                                                                                            |

## 11. TOXICOLOGICAL INFORMATION

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute toxicity                                   | LD50 Oral - Rat - male and female - 2.330 mg/kg (OECD Test Guideline 401) Inhalation: No data available LD50 Dermal - Rabbit - > 10.000 mg/kg Remarks: (RTECS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Skin corrosion/irritation                        | Skin - In vitro study Result: No skin irritation Remarks: (ECHA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Serious eye damage/eye irritation                | No data available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Respiratory or skin sensitization                | Sensitisation test: - Guinea pig Result: negative Remarks: (ECHA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Toxicity to Animal                               | WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE Acute oral toxicity (LD50): 689 mg/kg [Rat].                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Toxic Effects on Human                           | May cause damage to the following organs: upper respiratory tract. Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant, sensitizer), of ingestion, of inhalation (lung irritant, lung sensitizer).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Carcinogenicity                                  | No data available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Germ cell mutagenicity                           | Test Type: Ames test Test system: S. typhimurium Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative Test Type: In vitro mammalian cell gene mutation test Test system: mouse lymphoma cells Metabolic activation: with and without metabolic activation Method: US-EPA Result: negative Test Type: Chromosome aberration test in vitro Test system: Chinese hamster ovary cells Metabolic activation: with and without metabolic activation Method: US-EPA Result: negative Test Type: sister chromatid exchange assay Test system: Chinese hamster ovary cells Metabolic activation: with and without metabolic activation Method: US-EPA Result: negative Test Type: In vitro mammalian cell gene mutation test Test system: mouse lymphoma cells Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476 Result: negative Test Type: Chromosome aberration test Species: Mouse Cell type: Bone marrow Application Route: Intraperitoneal Method: US-EPA Result: Positive results were obtained in some in vivo tests. Test Type: sister chromatid exchange assay Species: Mouse Cell type: Bone marrow Application Route: Intraperitoneal Method: US-EPA Result: positive |
| Reproductive toxicity                            | May damage the unborn child. May damage fertility.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Specific target organ toxicity - single exposure | No data available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Special Remarks on other Toxic Effects on Humans | Acute Potential Health Effects: Skin: Causes skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. Eyes: Causes eye irritation. Ingestion: Causes gastrointestinal (digestive) tract irritation with nausea, vomiting, and diarrhea. May be harmful if swallowed. Inhalation: Causes respiratory tract irritation. May cause chemical pneumonitis and pulmonary edema, inflammation, edema of bronchi and larynx. Chronic Potential Health Effects: Repeated or prolonged skin exposure may cause allergic reactions in sensitive individuals. Repeated or prolonged exposure by inhalation may affect respiration and metabolism.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Endocrine disrupting properties                  | This substance/mixture contains components considered to have endocrinedisrupting properties affecting human health, according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## 12. ECOLOGICAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                             |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Persistence and degradability                       | Biodegradability aerobic - Exposure time 14 d Result: 81 % - Readily biodegradable. (OECD Test Guideline 301C)                                                                                                                                              |
| Bioaccumulative potential                           | Bioaccumulation <i>Lepomis macrochirus</i> - 3,27 Days at 22 °C(Benzyl butyl phthalate) Bioconcentration factor (BCF): 9,4 (OECD Test Guideline 305)                                                                                                        |
| Toxicity to fish                                    | Flow-through test LC50 - Fish - 0,51 mg/l - 96 h Remarks: (ECHA)                                                                                                                                                                                            |
| Toxicity to daphnia and other aquatic invertebrates | Flow-through test LC50 - <i>Americamysis bahia</i> (Mysid) - > 0,74 mg/l - 48 h (US-EPA)                                                                                                                                                                    |
| Toxicity to algae                                   | Static test ErC50 - <i>Desmodesmus subspicatus</i> (green algae) - 1,5 mg/l - 72 h (OECD Test Guideline 201)                                                                                                                                                |
| Toxicity to bacteria                                | Static test EC50 - <i>Pseudomonas putida</i> - 4.390 mg/l - 17 h (DIN 38421 TEIL 8)                                                                                                                                                                         |
| Mobility in soil                                    | No Information 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                               | Avoid release to the environment. Discharge into the environment must be avoided.                                                                                                                                                                           |

## 13. DISPOSAL CONSIDERATIONS

|                        |                                                                                                                                                                                                                                                                                                                                    |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Disposal methods       | The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.                                                                           |
| Contaminated packaging | Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials. |
| Waste treatment Method | No data available                                                                                                                                                                                                                                                                                                                  |

## 14. TRANSPORT INFORMATION

|                              |                                                                                                                                                                                                                                                                   |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UN number                    | ADR/RID: 3082 IMDG: 3082 IATA: 3082                                                                                                                                                                                                                               |
| UN proper shipping name      | ADR/RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl butyl phthalate)<br>IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl butyl phthalate)<br>IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl butyl phthalate) |
| Transport hazard class(es)   | ADR/RID: 9 IMDG: 9 IATA: 9                                                                                                                                                                                                                                        |
| Packaging group              | ADR/RID: III IMDG: III IATA: III                                                                                                                                                                                                                                  |
| Environmental hazards        | ADR/RID: No IMDG: No IATA: No                                                                                                                                                                                                                                     |
| Special precautions for user | Tunnel restriction code : (C/E)                                                                                                                                                                                                                                   |
| Further information          | EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.                                                                      |

## 15. REGULATORY INFORMATION

|                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inventory status                                                                               | Components are on the following inventories: Polymaleic acid: - US TSCA, Canadian DSL, EU EINECS, Australian AICS, Korean, Philippine PICCS and Chinese Xi irritant R 36/38 Irritant to eyes & skin R 41 Risk of serious damage to eyes S24/25 Avoid contact with skin and eyes S26/28 In case of contact eyes & skin, rinse with plenty water and seek medical advice Section 312/313: Not listed. Not listed under California proposition 65. |
| 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.                                                                                                                                                                                                                                                                                                                                                |
| Authorisations and/or restrictions on use                                                      | REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : n-butanol                                                                                                                                                                                                                                                                                          |
| Safety, health and environmental regulations specific for the product in question              | European Inventory of Existing Commercial Chemical Substances (EINECS) -Listed.EC Inventory Listed. United States Toxic Substances Control Act (TSCA) Inventory- Listed. China Catalog of Hazardous chemicals 2015 Not- Listed. New Zealand Inventory of Chemicals (NZIoC)Listed. PICCS - Listed. Vietnam National Chemical Inventory -Listed. IECSC Listed. Korea Existing Chemicals List (KECL) -Listed.                                      |
| National legislation                                                                           | Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : FLAMMABLE LIQUIDS                                                                                                                                                                                                                                                                     |
| 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.                                                                                                                                                                                                                                 |
| Chemical Safety Assessment                                                                     | A Chemical Safety Assessment has been carried out for this substance.                                                                                                                                                                                                                                                                                                                                                                           |

## 16. OTHER INFORMATION AND DISCLAIMER

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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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