

# ETHYL BUTYL AMINE 2

Part No. RXSOL-19-1175-025 — Generated 29 Sep 2026

## 1. Product and Company Identification

Product Name ETHYL BUTYL AMINE 2

Part Number RXSOL-19-1175-025

### Company Details:

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

Branch : Kandla, Mumbai , Chennai, Vizag, Kolkata, UAE , OMAN , CANADA and KENYA

Phone +91 22 20871200 - 1400

Fax +91 22 27612100 ::AOH :0091 9821214367

Email [mail@rxmarine.com](mailto:mail@rxmarine.com)

Website [www.rxmraine.comA](http://www.rxmraine.comA)

## 2. Composition / informationon ingredients

| Chemical Name     | CAS        | EC number | Weight  | Formula                          |
|-------------------|------------|-----------|---------|----------------------------------|
| Butyl(ethyl)amine | 13360-63-9 | 236-415-0 | = 100 % | C <sub>6</sub> H <sub>15</sub> N |

## 3. Hazards Identification

|                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal Word                                | Danger                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Hazard Statements                          | H225 Highly flammable liquid and vapor. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage.                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Precautionary statements                   | P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301 + P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Classification of the substance or mixture | Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Supplemental Hazard Statements             | None.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Other hazards                              | This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.                                                                                                                                                                                                                                                                                                                                                                        |

## 4. First Aid Measures

|                |                                                                                                            |
|----------------|------------------------------------------------------------------------------------------------------------|
| General advice | First aiders need to protect themselves. 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. Immediately call in ophthalmologist. Remove contact lenses.                                                     |
| Swallowed                                                                  | After swallowing: make victim drink water (two glasses at most), avoid vomiting (risk of perforation). Call a physician immediately. Do not attempt to neutralise. |
| Skin Contact                                                               | In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Call a physician immediately.                              |
| 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                                          | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.                                                                                                                                                                                                             |
| Flash Point                                           | Dry powder Dry sand                                                                                                                                                                                                                                                                  |
| Suitable extinguishing media                          | 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. Pay attention to flashback. Vapors are heavier than air and may spread along floors. Development of hazardous combustion gases or vapours possible in the event of fire. Forms explosive mixtures with air at ambient temperatures. |
| Further information                                   | Remove container from danger zone and cool with water. Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.                                                                |
| Hazardous combustion products                         | Fire may cause the evolution of Sulphur oxides, nitrogen oxides.                                                                                                                                                                                                                     |
| Advice for firefighters                               | 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            | Oxides of phosphorus Sodium oxides Not combustible. Fire may cause evolution of: Oxides of phosphorus 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. Keep away from heat and sources of ignition. 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. |
| Enviromental Precaution                                             | Do not let product enter drains. Risk of explosion.                                                                                                                                                                                                                                                                                     |
| Methods and materials for containment and cleaning                  | Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material (e.g. Chemizorb® ). Dispose of properly. Clean up affected area.                                                                                                               |

## 7. Handling and Storage

|                                                 |                                                                                                                                                                |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
| Precautions for safe handling                   | For precautions see section 2.2.                                                                                                                               |
| Storage conditions                              | Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition.                                                 |
| Storage class                                   | Storage class (TRGS 510): 3: Flammable liquids                                                                                                                 |
| Specific end use(s)                             | Apart from the uses mentioned in section 1.2 no other specific uses are stipulated                                                                             |
| Advice on general occupational hygiene          | Advice on safe handling Observe label precautions. Change contaminated clothing. Wash hands after working with substance.                                      |
| Requirements for storage                        | Keep in cool and store under shade.                                                                                                                            |

## 8. Exposure controls and personal protection

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Exposure controls                 | Appropriate engineering controls Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.                                                                                                                                                                                                                                                                                                                                                            |
| Control parameters                | Ingredients with workplace control parameters Contains no substances with occupational exposure limit values.                                                                                                                                                                                                                                                                                                                                                                                                          |
| Engineering Control               | Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.                                                                                                                                                                                                                                                                                                                                                                                             |
| Eye/face protection               | Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Tightly fitting safety goggles                                                                                                                                                                                                                                                                                                                                                           |
| Body Protection                   | Flame retardant antistatic protective clothing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Skin protection                   | Required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## 9. Physical and chemical properties

|                |                   |
|----------------|-------------------|
| Physical state | Clear, liquid     |
| Colour         | Colorless         |
| Odour          | No data available |
| Odor Threshold | No data available |
| pH             | No data available |
| Melting Point  | No data available |

|                                              |                                 |
|----------------------------------------------|---------------------------------|
| Boiling Point                                | 108 °C - lit.                   |
| Flash Point                                  | 12 °C - closed cup              |
| Evaporation Rate                             | Not Applicable                  |
| Flammability (solid, gas)                    | No data available               |
| Explosive limits                             | No Data Available               |
| Upper/lower flammability or explosive limits | No data available               |
| Autoignition temperature                     | No data available               |
| Decomposition temperature                    | No data available               |
| Vapour pressure                              | 53 hPa at 40 °C 24 hPa at 20 °C |
| Density                                      | 0,74 g/mL at 25 °C - lit.       |
| Relative Density                             | No data available               |
| Relative vapor density                       | 3,49 - (Air = 1.0)              |
| Freezing point                               | No data available               |
| Viscosity                                    | No data available               |
| Partition coefficient                        | No data available               |
| Explosive properties                         | No data available               |
| Solubility                                   | No data available               |
| Ignition temperature                         | No information available.       |
| Particle characteristics                     | No data available               |

## 10. Stability and reactivity

|                                    |                                                                                         |
|------------------------------------|-----------------------------------------------------------------------------------------|
| Reactivity                         | Vapors may form explosive mixture with air.                                             |
| Stability                          | The product is chemically stable under standard ambient conditions (room temperature) . |
| Possibility of hazardous reactions | No data available                                                                       |
| Conditions to avoid                | Warming.                                                                                |
| Incompatible materials             | Acids, Acid chlorides, Acid anhydrides, Strong oxidizing agents, Carbon dioxide (CO2)   |
| Hazardous decomposition products   | In the event of fire: see section 5                                                     |

## 11. Toxicological information

|                                   |                                                                                                                                                                                                                           |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute toxicity                    | LD50 Oral - Rat - 310 mg/kg Inhalation: No data available Dermal: No data available                                                                                                                                       |
| Skin corrosion/irritation         | Remarks: No data available                                                                                                                                                                                                |
| Serious eye damage/eye irritation | Remarks: No data available                                                                                                                                                                                                |
| Respiratory or skin sensitization | No data available                                                                                                                                                                                                         |
| 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            | No data available                                                                                                                                                                                                         |

Reproductive toxicity    No data available

Specific target organ  
toxicity - single  
exposure                      No data available

Special Remarks on  
other Toxi 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                      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. RTECS: EO4880000 Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., prolonged or repeated exposure can cause:, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 12. Ecological information

Bioaccumulative potential    No data available

Persistence and  
degradability                      No data available

Toxicity to fish                      No data available

Toxicity to daphnia and  
other aquatic invertebrates    Flow-through test EC50 - Ceriodaphnia dubia (water flea) - 0,035 mg/l - 48 h (OECD Test Guideline 202)

Toxicity to algae                      Flow-through test NOEC - algae - 0,002 mg/l - 7 Days Remarks: (in analogy to similar products) (ECHA) The value is given in analogy to the following substances: sodium hypochlorite solution

Toxicity to bacteria                      Static test EC50 - activated sludge - 563 mg/l - 3 h (OECD Test Guideline 209) Remarks: (in analogy to similar products) The value is given in analogy to the following substances: sodium hypochlorite solution

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                      No data available

## 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                      Dispose of as unused product.

Waste treatment  
Method                      See [www.retrologistik.com](http://www.retrologistik.com) for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

## 14. Transport information

|                            |                                                                   |             |             |
|----------------------------|-------------------------------------------------------------------|-------------|-------------|
| UN number                  | ADR/RID: 2733                                                     | IMDG: 2733  | IATA: 2733  |
|                            | ADR/RID: Amines, flammable, corrosive, n.o.s. (Butyl(ethyl)amine) |             |             |
| UN proper shipping name    | IMDG: Amines, flammable, corrosive, n.o.s. (Butyl(ethyl)amine)    |             |             |
|                            | IATA:Amines, flammable, corrosive, n.o.s. (Butyl(ethyl)amine)     |             |             |
| Transport hazard class(es) | ADR/RID: 3 (8)                                                    | IMDG: 3 (8) | IATA: 3 (8) |
| Packaging group            | ADR/RID: II                                                       | IMDG: II    | IATA: II    |
| Environmental hazards      | ADR/RID: NO                                                       | IMDG: NO    | IATA: NO    |
| Further information        | No data available                                                 |             |             |

## 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.                                                                                                                                                                                                                                                                                                                                                |
| 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                                                                     | For this product a chemical safety assessment was not carried out                                                                                                                                                                                                                                                                                                                                                                               |

## 16. Other information

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Other Information | <p>The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages.</p> <p><b>DISCLAIMER OF LIABILITY :</b>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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