

# Safety Data Sheet

according to 1907/2006/EC, Article 31

## 1 Identification of substance:

- **Product details:**
- **Trade name:** BACTORUB BLUE
  
- **Application of the substance / the preparation** Alcoholic hand rub in disinfectant
- **Manufacturer/Supplier:**  
Raman & Weil Pvt. Ltd.  
15 Chateau Marine, B - Road 3<sup>rd</sup>  
Floor, Churchgate  
Mumbai – 400 020  
[Tel: 022- 22049527](tel:022-22049527)

## 2 Hazards identification

- **Hazard designation:**
- **Information pertaining to particular dangers for man and environment**  
Flammable.  
Irritating to eyes

## 3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with harmless additions.

### · Dangerous components:

CAS: 67-63-0 EINECS: 200-661-7	isopropanol	25-50%
CAS: 71-23-8 EINECS: 200-746-9	propan-1-ol	25-50%
CAS: 3006-10-8 EINECS: 221-106-5	Mecetronium ethyl sulphate	≤ 1%

## 4 First aid measures

- **General information** Get medical advice/attention if you feel unwell.
- **After inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- **After skin contact** The product is not skin irritating.
- **After eye contact** Rinse cautiously with water for several minutes.
- **After swallowing** Rinse mouth.

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### 5 Fire fighting measures

- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:** Dispose of the material collected according to regulations.

### 7 Handling and storage

- **Handling**
- **Information for safe handling:**  
No special precautions necessary if used correctly.  
Keep away from heat and direct sunlight.
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

### 8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with critical values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Personal protective equipment**
- **General protective and hygienic measures**  
The usual precautionary measures should be adhered to in handling the chemicals.

### 9 Physical and chemical properties:

#### · General Information

<b>Form:</b>	Liquid on inert carrier material
<b>Colour:</b>	colourless
<b>Smell:</b>	pleasant

#### · Change in condition

**Melting point/Melting range:** not determined  
**Boiling point/Boiling range:** not determined

· **Flash point:** 23,5°C (solution)

· **Self-inflammability:** product is not selfigniting

· **Danger of explosion:** product is not explosive. However, formation of explosive air/steam mixtures is possible

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· **Density** not determined

· **Solubility in / Miscibility with**

**Water:** Partly soluble

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to be avoided:**
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

### 11 Toxicological information

- **Acute toxicity:**

**LD/LC50 values that are relevant for classification:**

Oral LD50 13260 mg/kg (Ratte / rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritant effect.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:  
Irritant

### 12 Ecological information:

- **Information about elimination (persistence and degradability):**
- **Other information:** The product is easily biodegradable.
- **Ecotoxicological effects:**

**Acquatic toxicity:**

LC50 OECD 203 : 2300 mg/l (*Leuciscus idus*)

- **Behaviour in sewage processing plants:**

**Type of test Effective concentration Method Assessment**

EC10 6000 mg/l (*Pseudomonas putida*)

- **Additional ecological information:** -

\*

### 13 Disposal considerations

- **Product:**
- **Recommendation**

Must be specially treated under adherence to official regulations. Smaller quantities can be disposed with household garbage.

· **European waste catalogue**

07 06 01\* aqueous washing liquids and mother liquors

16 03 05\* organic wastes containing dangerous substances

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\* chemicals consisting of or containing dangerous substances

- **Uncleaned packagings:**
- **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

### 14 Transport information

- **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**
- **ADR/RID-GGVS/E Class:** 4.1 (F1) Flammable solids, self-reactive substances and solid desensitised explosives.
- **Kemler Number:** 40
- **UN-Number:** 3175
- **Packaging group:** II
- **Label:** 4.1
- **Designation of goods:** 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (isopropanol, n-propanol)

- **IMDG/GGVSea Class:** 4.1
- **UN Number:** 3175
- **Label:** 4.1
- **Packaging group:** II
- **EMS Number:** F-A,S-I
- **Marine pollutant:** No
- **Correct technical name:** SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (isopropanol, n-propanol)

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** 4.1
- **UN/ID Number:** 3175
- **Label:** 4.1
- **Packaging group:** II
- **Correct technical name:** SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (isopropanol, n-propanol)
- **Remarks:** passanger: no single packing permits.

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### 15 Regulatory information

- **Designation according to EC guidelines:**
- **Code letter and hazard designation of product:**
- **Risk phrases:**
  - Flammable.
  - Irritating to eyes.
- **Safety phrases:**
  - Avoid contact with eyes.
  - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- **Decree to be applied in case of technical fault:**
  - Critical quantity values according to the regulations on accidents should be adhered to.

### 16 Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant R-phrases**
  - Highly flammable.
  - Harmful if swallowed.
  - Irritating to eyes.
  - Irritating to skin.
  - Risk of serious damage to eyes.
  - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
  - Vapours may cause drowsiness and dizziness.
- **\* Data compared to the previous version altered.**