

## 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

32011 E. coli Count Reaction Tubes

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Recommended use** Microbiological analysis of water samples and related research and development applications.  
**Note:** This product does not contain *Escherichia coli* (*E. coli*) or any viable microorganisms. It is a reagent intended solely for the detection of *E. coli* in environmental samples.

**Uses advised against** No diagnostic and therapeutic applications

### 1.3 Details of the supplier of the safety data sheet

**Company** rqmicro AG  
Brandstrasse 24  
8952 Schlieren  
Switzerland  
**Phone number** +41 (0) 44 512 51 51  
**Email address** [info@rqmicro.com](mailto:info@rqmicro.com)

### 1.4 Emergency telephone

|                        |                                       |       |                        |
|------------------------|---------------------------------------|-------|------------------------|
| <b>Emergency phone</b> | Tox Info Suisse, Zurich               | Tel.: | 145 / +41 44 251 51 51 |
|                        | Poison Control Center Germany, Berlin | Tel.: | +49 30 19240           |
|                        | Poison Control Center Austria, Vienna | Tel.: | +43 1 406 43 43        |
|                        | Poison Help Line USA                  | Tel.: | +1 800 222 1222        |

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## 2 HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008.

|                       |               |
|-----------------------|---------------|
| Physical hazards      | Not hazardous |
| Health hazards        | Not hazardous |
| Environmental hazards | Not hazardous |

### 2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

|                             |                |
|-----------------------------|----------------|
| Hazard Pictogram(s):        | None           |
| Signal word:                | None           |
| Hazard statement(s):        | Not applicable |
| Precautionary statement(s): | Not applicable |

### 2.3 Other hazards

|                       |                           |
|-----------------------|---------------------------|
| Chemical component(s) | No other chemical hazards |
|-----------------------|---------------------------|

This mixture contains no components considered to be either persistent, bio-accumulative and toxic (PBT), or very persistent and very bio-accumulative (vPvB) at levels of 0.1% or higher.

|                         |                       |
|-------------------------|-----------------------|
| Biological component(s) | No biological hazards |
|-------------------------|-----------------------|

Antibodies, monoclonal    Recombinant, serum-free, animal-free (see section 3.2)

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### 3 COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substance(s)

N/A

#### 3.2 Mixtures

The product contains no substances which at their given concentration, are considered to be hazardous.

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### 4 FIRST AID MEASURES

#### 4.1 Description of first-aid measures

|                |                                                                                                                                                        |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye contact    | Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids. Remove contact lenses, if present and easy to do. |
| Skin contact   | Remove contaminated clothing. Wash skin with soap and plenty of water for at least 15 minutes. Contaminated clothing should be laundered before reuse. |
| Inhalation     | Remove to fresh air.                                                                                                                                   |
| Ingestion      | Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting unless directed to do so by medical personnel.                     |
| General advice | Call poison center or consult physician if feeling unwell. Keep this safety data sheet at hand.                                                        |

#### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

#### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

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## 5 FIRE FIGHTING MEASURES

- |                                                           |                                                                          |
|-----------------------------------------------------------|--------------------------------------------------------------------------|
| 5.1 Extinguishing media                                   | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| 5.2 Special hazards arising from the substance or mixture | No information available                                                 |
| 5.3 Advice for firefighters                               | In the event of fire, wear self-contained breathing apparatus.           |
| 5.4 Further information                                   | No data available                                                        |

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## 6 ACCIDENTAL RELEASE MEASURES

- |                                        |                                                                                                                                                  |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 6.1 Person-related safety precautions  | Wear appropriate Personal Protective Equipment. Do not breath vapors, aerosols. Avoid substance contact.                                         |
| 6.2 Environmental protection measures  | Avoid release to the environment.                                                                                                                |
| 6.3 Measures for cleaning / collecting | Pick up and arrange disposal without creating aerosols. Take up with liquid-absorbent material. Keep in suitable, close containers for disposal. |

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## 7 HANDLING AND STORAGE

- |                                                                  |                                                                                    |
|------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 7.1 Precautions for safe handling                                | For precautions see section 2.2                                                    |
| 7.2 Conditions for safe storage, including any incompatibilities | Store at 2 - 8°C                                                                   |
| 7.3 Specific end use(s)                                          | Apart from the uses mentioned in section 1.2 no other specific uses are stipulated |

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Component(s) with workplace control parameter(s)

Contains no component(s) with occupational exposure limit value(s).

### 8.2 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.

#### Eye/face protection

Wear safety glasses or goggles.

#### Skin and body protection

Wear suitable protective clothing and gloves.

#### Respiratory protection

Use in well ventilated areas.

#### Control of environmental exposure

Avoid release to the environment.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

|                                                  |                     |
|--------------------------------------------------|---------------------|
| a.) Physical state                               | Solid (lyophilized) |
| b.) Odor                                         | No data available   |
| c.) Odor Threshold                               | No data available   |
| d.) pH                                           | No data available   |
| e.) Melting point/freezing point                 | No data available   |
| f.) Boiling point/boiling range                  | No data available   |
| g.) Flash point                                  | No data available   |
| h.) Evaporation rate                             | No data available   |
| i.) Flammability (solid, gas)                    | No data available   |
| j.) Upper/lower flammability or explosive limits | No data available   |
| k.) Vapor pressure                               | No data available   |
| l.) Vapor density                                | No data available   |
| m.) Relative density                             | No data available   |
| n.) Water solubility                             | No data available   |
| o.) Partition coefficient: n-octanol/water       | No data available   |
| p.) Auto ignition temperature                    | No data available   |
| q.) Decomposition temperature                    | No data available   |
| r.) Viscosity                                    | No data available   |
| s.) Explosive properties                         | No data available   |
| t.) Oxidizing properties                         | No data available   |

## 10 STABILITY AND REACTIVITY

|                                         |                                                     |
|-----------------------------------------|-----------------------------------------------------|
| 10.1 Reactivity                         | No data available                                   |
| 10.2 Chemical stability                 | Stable under standard conditions of storage and use |
| 10.3 Possibility of hazardous reactions | No data available                                   |
| 10.4 Conditions to avoid                | No data available                                   |
| 10.5 Incompatibilities                  | Strong oxidizing agents                             |
| 10.6 Hazardous decomposition products   | In the event of fire: see section 5                 |

## 11 TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

|                                                        |                                                                                                                                                                       |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| a.) Acute toxicity                                     | No data available                                                                                                                                                     |
| b.) Skin corrosion/irritation                          | No data available                                                                                                                                                     |
| c.) Serious eye damage / eye irritation                | No data available                                                                                                                                                     |
| d.) Respiratory or skin sensitization                  | No data available                                                                                                                                                     |
| e.) Germ cell mutagenicity                             | No data available                                                                                                                                                     |
| f.) Carcinogenicity                                    | No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC <sup>1</sup> . |
| g.) Reproductive toxicity                              | No data available                                                                                                                                                     |
| h.) Specific target organ toxicity - single exposure   | No data available                                                                                                                                                     |
| i.) Specific target organ toxicity – repeated exposure | No data available                                                                                                                                                     |
| j.) Aspiration hazard                                  | No data available                                                                                                                                                     |

## 12 ECOLOGICAL INFORMATION

|                                                                   |                                                                                            |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| 12.1 Toxicity                                                     | No data available                                                                          |
| 12.2 Persistence and degradability                                | No data available                                                                          |
| 12.3 Bioaccumulative potential                                    | No data available                                                                          |
| 12.4 Mobility in soil                                             | No data available                                                                          |
| 12.5 Results of PBT <sup>2</sup> and vPvB <sup>3</sup> assessment | PBT/vPvB assessment not available as chemical safety assessment not required/not conducted |
| 12.6 Others harmful effects                                       | Avoid release to the environment.                                                          |

## 13 DISPOSAL CONSIDERATIONS

|                |                                                                         |
|----------------|-------------------------------------------------------------------------|
| Waste disposal | Dispose of in accordance with local official environmental regulations. |
|----------------|-------------------------------------------------------------------------|

<sup>1</sup> IARC: International Agency for Research on Cancer.

<sup>2</sup> PBT: Persistent, Bio-accumulative and Toxic substances

<sup>3</sup> vPvB: very Persistent, very Bio-accumulative

## 14 TRANSPORT INFORMATION

|                                    | ADR <sup>4</sup> /RID <sup>5</sup> : | IMDG <sup>6</sup> | IATA <sup>7</sup> |
|------------------------------------|--------------------------------------|-------------------|-------------------|
| 14.1 UN number                     | -                                    | -                 | -                 |
| 14.2 UN proper shipping name       | Not dangerous goods                  |                   |                   |
| 14.3 Transport hazard class(es)    | -                                    | -                 | -                 |
| 14.4 Packaging group               | -                                    | -                 | -                 |
| 14.5 Environmental hazards         | -                                    | -                 | -                 |
| 14.6 Special precautions for users | -                                    | -                 | -                 |

### Further information

Not classified as dangerous in the meaning of transport regulations.

## 15 REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Observe the general safety regulations when handling chemicals.

### 15.2 Chemical Safety Assessment

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

## 16 OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. rqmicro AG shall not be held liable for any damage resulting from handling or from contact with the above product. This product is sold for the above recommended use only (section 1.2). Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. See further information on the condition of sale at [www.rqmicro.com](http://www.rqmicro.com), on the offer or in the general terms and conditions.

<sup>4</sup> **ADR:** Agreement concerning the International Carriage of Dangerous Goods by Road.

<sup>5</sup> **RID:** International Carriage of Dangerous Goods by Rail

<sup>6</sup> **IMDG-Code:** International Maritime Code for Dangerous Goods

<sup>7</sup> **IATA:** International Air Transport Association