

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

1.1 Product identifier

32001 E. coli Positive Control

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.
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

1.4 Emergency telephone

Emergency phone	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

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
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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
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Bacteria, inactivated/killed	Classification of bacteria not required according to the WHO classification of infectious microorganisms by risk group as the bacterium is inactivated/killed (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.

Further information

Biological component(s)	Taxonomy	Hazard Identification
Bacteria, inactivated/killed	Family: Enterobacteriaceae Genus: <i>Escherichia</i> Species: <i>Escherichia coli</i> (Risk Group 2)	Non-infectious

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

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

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.

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 ¹ .
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 ² and vPvB ³ 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.
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¹ IARC: International Agency for Research on Cancer.

² PBT: Persistent, Bio-accumulative and Toxic substances

³ vPvB: very Persistent, very Bio-accumulative

14 TRANSPORT INFORMATION

	ADR ⁴ /RID ⁵ :	IMDG ⁶	IATA ⁷
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, on the offer or in the general terms and conditions.

⁴ **ADR:** Agreement concerning the International Carriage of Dangerous Goods by Road.

⁵ **RID:** International Carriage of Dangerous Goods by Rail

⁶ **IMDG-Code:** International Maritime Code for Dangerous Goods

⁷ **IATA:** International Air Transport Association