

SAFETY DATA SHEET

Version 1

Issuing Date: 16-Dec-2021

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

1.1. Product identifier

Product code 90128

Product Name Freezing Medium with Gentamicin Test Yolk Buffer

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

Product Use Laboratory chemicals.

Uses advised against No information available.

1.3. Details of the supplier of the safety data sheet

Supplier

FUJIFILM Europe B.V.
Oudenstaart 1
5047 TK Tilburg
The Netherlands

Manufactured by

FUJIFILM Irvine Scientific, Inc.
2511 Daimler Street
Santa Ana, CA 92705
U.S.A.

For further information, please contact:

Company Phone Number Telephone: +31 13 579 19 11
Fax: +31 13 570 11 15

E-mail Address reach_feg@fujifilm.com

1.4. Emergency telephone number

Europe	+49 (0)211 5089 137 (9:00 a.m. to 6 p.m.)
Belgium	CHEMTREC Belgium: +(32)-28083237
France	CHEMTREC France: +(33)-975181407
Germany	CHEMTREC Germany: 0800-181-7059
Italy	CHEMTREC Italy: 800-789-767
United Kingdom	CHEMTREC UK: +(44)-870-8200418

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

Signal word

None

2.3. Other hazards

No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Glycerol	200-289-5	56-81-5	7-13%	Not Classified	no data available

Full text of H- and EUH-phrases: see section 16

4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice	Immediate medical attention is not required.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.
Ingestion	If swallowed, do not induce vomiting - seek medical advice.
Inhalation	Move to fresh air. If symptoms persist, call a physician.

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

No information available.

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

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Dry chemical, CO₂, water spray or alcohol-resistant foam.

Unsuitable Extinguishing Media

No information available.

5.2. Special hazards arising from the substance or mixture

None known.

Hazardous Combustion Products

Carbon oxides. Sodium oxides. Sulfur oxides.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid contact with the skin and the eyes.

6.2. Environmental precautions

Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so.

Use personal protective equipment. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

6.4. Reference to other sections

See section 7 for more information.

See section 8 for more information.

See Section 12 for additional Ecological Information.

See section 13 for more information.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Wear personal protective equipment. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Ensure adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Keep at temperatures below -10 °C / 14 °F.

7.3. Specific end use(s)

Laboratory chemicals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters**Occupational exposure limit value**

Chemical name	European Union	United Kingdom	France	Spain	Germany
Glycerol		STEL: 30 mg/m ³ TWA: 10 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³	TWA: 200 mg/m ³ Ceiling / Peak: 400 mg/m ³
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark

Glycerol		TWA: 10 mg/m ³		TWA: 20 mg/m ³	
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Glycerol		STEL: 100 mg/m ³ TWA: 50 mg/m ³	TWA: 10 mg/m ³		

Chemical name	Australia	New Zealand WEL	ACGIH TLV
Glycerol	10 mg/m ³ TWA	TWA: 10 mg/m ³	

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye Protection

If splashes are likely to occur, wear safety glasses with side-shields.

Hand Protection

Wear protective gloves.

Skin and body protection

Long sleeved clothing.

Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General Hygiene Considerations

When using do not eat, drink or smoke. Take off contaminated clothing and wash before reuse. Regular cleaning of equipment, work area and clothing is recommended.

Environmental Exposure Controls No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Pale yellow	Odor	Characteristic
Odor Threshold	No information available	Physical state	Liquid
pH	7.0 - 7.4	Flash point	No information available
Boiling point / boiling range	No information available	Decomposition temperature	No information available
Autoignition temperature	No information available	Freezing Point	No information available
Melting point / melting range	No information available	Flammability Limit in Air	No information available
Flammability (solid, gas)	No information available	Explosive Properties	No information available
Oxidizing Properties	No information available	Solubility	No information available
Specific Gravity	No information available	Vapor Pressure	No information available
Evaporation rate	No information available	Density	No information available
Vapor density	No information available	Partition coefficient:	No information available
Dynamic viscosity		n-octanol/water	

10. STABILITY AND REACTIVITY

10.1. Reactivity

Stable under recommended storage conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization does not occur.

10.4. Conditions to avoid

Temperatures above 40 °C / 104 °F. Protect from light.

10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

None under normal use conditions.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Product Information

Acute toxicity	
Inhalation	No known effects under normal use conditions.
Eyes	No known effects under normal use conditions.
Skin	No known effects under normal use conditions.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Glycerol	= 12600 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 2.75 mg/L (Rat) 4 h

Chronic toxicity

Carcinogenicity	None known.
Corrosivity	None known.
Sensitization	None known.
Reproductive Toxicity	None known.
Mutagenic Effects	None known.
Target organ effects	No information available.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

The environmental impact of this product has not been fully investigated

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Glycerol		LC50: 51 - 57mL/L (96h, Oncorhynchus mykiss)		

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

Chemical name	Partition coefficient
Glycerol	-1.76

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods****Waste from residues/unused products**

Dispose of in accordance with federal, state and local regulations.

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

ADG Not regulated

RID Not regulated

ADR Not regulated

IMDG Not regulated

ICAO (air) Not regulated

IATA Not regulated

Special precautions for users No information available.

15. REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Take note of Directive 94/33/EC on the protection of young people at work.

International Inventories

EINECS/ELINCS	No
TSCA	No
DSL/NDSL	No

Legend**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**15.2. Chemical safety assessment**

No information available.

16. OTHER INFORMATION**Prepared By** FUJIFILM Environment, Health and Safety, phone: (01) (800) 473-3854**Revision Date** 16-Dec-2021**Revision Note** CLP Annex VI harmonized classification(s) and/or available REACH registration information are the primary data sources referenced in determining the classification of this product.**This safety data sheet complies with the requirements of: Regulation (EC) No 1272/2008.****Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.