

# SAFETY DATA SHEET

Version 1

Issuing Date: 25-Jan-2022

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

### 1.1. Product identifier

**Product code** 9319

**Product Name** HEPES BUFFER SOLUTION 1M

### 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

The product contains no substances known to be hazardous to health or to the environment in concentrations which need to be taken into account

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

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

<b>General advice</b>	Immediate medical attention is not required.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	If swallowed, do not induce vomiting - seek medical advice.
<b>Inhalation</b>	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, CO<sub>2</sub>, 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. Nitrogen oxides (NO<sub>x</sub>).

**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 between 2 and 8 °C (35 and 46 °F).

**7.3. Specific end use(s)**

Laboratory chemicals.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1. Control parameters**

**Occupational exposure limit value** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

**Predicted No Effect Concentration (PNEC)** No information available.

**8.2. Exposure controls**

<b>Engineering Measures</b>	Ensure adequate ventilation, especially in confined areas.
<b>Personal protective equipment</b>	
<b>Eye Protection</b>	If splashes are likely to occur, wear safety glasses with side-shields.
<b>Hand Protection</b>	Wear protective gloves.
<b>Skin and body protection</b>	Long sleeved clothing.
<b>Respiratory protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<b>General Hygiene Considerations</b>	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.
<b>Environmental Exposure Controls</b>	No information available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear	<b>Odor</b>	No information available
<b>Odor Threshold</b>	No information available	<b>Physical state</b>	Liquid
<b>pH</b>	6.8 - 7.3	<b>Flash point</b>	No information available
<b>Boiling point / boiling range</b>	No information available	<b>Decomposition temperature</b>	No information available
<b>Autoignition temperature</b>	No information available	<b>Freezing Point</b>	No information available
<b>Melting point / melting range</b>	No information available	<b>Flammability Limit in Air</b>	No information available
<b>Flammability (solid, gas)</b>	No information available		
<b>Oxidizing Properties</b>	No information available	<b>Explosive Properties</b>	No information available
<b>Specific Gravity</b>	No information available	<b>Solubility</b>	No information available
<b>Evaporation rate</b>	No information available	<b>Vapor Pressure</b>	No information available
<b>Vapor density</b>	No information available	<b>Density</b>	No information available
<b>Dynamic viscosity</b>	No information available	<b>Partition coefficient: n-octanol/water</b>	No information available

## 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

Freezing. 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**

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

**Component Information**

No information available

**Chronic toxicity**

<b>Carcinogenicity</b>	None known.
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<b>Corrosivity</b>	None known.
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<b>Sensitization</b>	None known.
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<b>Reproductive Toxicity</b>	None known.
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<b>Mutagenic Effects</b>	None known.
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<b>Target organ effects</b>	No information available.
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## **12. ECOLOGICAL INFORMATION**

**12.1. Toxicity****Ecotoxicity**

The environmental impact of this product has not been fully investigated

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential**

No information available

**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**

Yes

**TSCA**

Yes

**DSL/NDSL**

Yes

**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**

25-Jan-2022

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**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.