

Safety Data Sheet

Review Date: Feb. 21, 2018 (Ver.001)

SDS No.: LN221E8001

1. Product and Company Identification

Product Name: iMatrix-221

Supplier: Nippi, Incorporated

Address: 1-1-1 Senju Midori-cho, Adachi, Tokyo 120-8601, Japan

Division: Biological and Chemical Products Division

TEL: +81-3-3888-5184

e-mail: pe-info@nippi-inc.co.jp

Product No.: 892061, 892062, 892063, 892065, 892066

2. Hazards identification

Not a hazardous substance or mixture according to the GHS classification.

Other hazards - none

3. Composition/information on ingredients

Single or mixture compounds: Mixtures

Chemical name/General name: recombinant human laminin-221 E8 fragment

Components: (1) Laminin-221 E8 fragment

0.1 mg/mL, 1 mL/tube

Reference number in gazette list in Japan: -

CAS No.: -

(2) Disodium hydrogen phosphate 12-Water

0.29% (w/v)

Reference number in gazette list in Japan: 1-497

CAS No.: 10039-32-4

(3) Potassium hydrogen phosphate

0.02% (w/v)

Reference number in gazette list in Japan: 1-452

CAS No.: 7778-77-0

(4) Potassium Chloride

0.02% (w/v)

Reference number in gazette list in Japan: 1-228

CAS No.: 7477-40-7

(5) Sodium Chloride
0.8% (w/v)
Reference number in gazette list in Japan: 1-236
CAS No.: 7647-14-5

4. First aid measures

Inhaled: Immediately move person into fresh air. Blow nose and rinse mouth. Seek medical attention.

Skin contact: Immediately wash off with soap and running water.

Eye contact: Immediately flush the affected eye as a precaution.

Swallowed: Immediately rinse mouth with water.

5. Firefighting measures

Extinguishing media: Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards: No specific fire or explosion hazard

Advice for firefighters: Wear respiratory protective equipment if necessary.

Further information: N/A

6. Accidental release measures

Personal Precautions: Avoid breathing vapor, mist or gas.

Environmental Precautions: Avoid to enter product into drain.

Method for cleaning up: Keep in suitable, closed containers for disposal.

7. Handling and storage

Precautions for safe handling: To avoid skin and respiratory contact with the product, wear protective equipment.

Safe Handling Advice: Wear appropriate protective equipment to avoid contact with ear, skin, clothing, and accidental ingestion.

Keep container tightly closed in a dark place away from direct sunlight.

Conditions for safe storage: Refrigerate at 2-15°C.

Shipping temperature should be 2-30°C

Packaging materials: Polyethylene, Polypropylene, Glass, PET, etc.

8. Exposure controls and personal protection

Any spillage should be contained immediately, and good general ventilation

Engineering measures: should be sufficient to control worker exposure to airborne contaminants.

Designated washing station should be established close to the work station. The

product does not contain any substance with occupational hazard exposure limit values.

OSHA PEL: No exposure limits

ACGIH TLV(s): No exposure limits

Japan Society for Occupational Health: No exposure limits

Respiratory protection: Wear dust mask if necessary.

Skin protection: Wear impermeable gloves.

Eye/face protection: Wear goggles if necessary.

Body protection: Wear a protective long-sleeved shirt and long pants.

9. Physical and chemical properties

Appearance: Liquid

Color: Clear and Colorless

Odor: N/A

pH: 7.3 - 7.5

Melting point/freezing point: N/A

Initial boiling point: N/A

Flash point: N/A

Spontaneous ignition temp.: N/A

Explosive properties: N/A

Vapor pressure: N/A

Density: N/A

Solubility: N/A

Other safety information: N/A

10. Stability and reactivity

Stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: N/A

Conditions to avoid: Sunlight, heat, Alkali and Oxidants

Hazardous decomposition products: N/A

11. Toxicological information

Acute toxicity: N/A

Skin corrosion/irritation: N/A

Serious eye damage/eye irritation: N/A

Respiratory or skin sensitization: N/A

Germ cell mutagenicity: N/A

Carcinogenicity – ACGIH: N/A

12. Ecological information

Toxicity: N/A

Persistence and degradability: N/A

Bioaccumulative potential: N/A

13. Disposal considerations

Waste treatment methods: As specific country, federal, state and local environmental regulations are varied and change frequently, we recommend that you contact your local department for Health Services for information on the correct disposal of this product.

Contaminated packaging: Dispose of as unused product.

14. Transport information

UN number ADR/RID: -, IMDG: -, IATA: -

UN proper shipping name ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Transport hazard class ADR/RID: -, IMDG: -, IATA: -

Environmental hazards ADR/RID: -, IMDG: -, IATA: -

15. Regulatory information

OSHA Hazards: No known OSHA hazards

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: No SARA Hazards

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other information

The information herein does not cover all data on the hazards and toxicology of this product, which requires careful handling.

This Material Safety Data Sheet is prepared based on currently available documents, information and data and does not guarantee the information concerning contents, physical and chemical properties, hazards and toxicology, etc. of the product. The precautions described herein are applicable only to the general handling methods of the product in laboratories; therefore, additional precautions may be necessary, depending on the application of the product in your laboratory.

The information herein is subject to change by legal revisions or new findings.