

Material Safety Data Sheet

MSDS No.: LN511E8002

Apr. 06. 2015

1. Product and Company Identification

Product Name: iMatrix-511

Supplier: Nippi, Incorporated

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

Division: Protein Engineering Office

TEL: +81-3-3888-5184

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Product No.: 892 011, 892 012, 892 013

MSDS No.: LN511E8002

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: Laminin511-E8 fragments

Components: (1) Laminin511-E8 fragments

175 µg/ 350µL

150,000 Da

Reference number in gazette list in Japan: -

CAS No.: -

(2) Disodium Hydrogenphosphate

606 µg/ 350µL

141.96 g/ mol

Reference number in gazette list in Japan: 1-497

CAS No.: 7558-79-4

(3) Potassium phosphate monobasic

35 µg/ 350µL

136.09 g/ mol

Reference number in gazette list in Japan: 1-452

CAS No.: 7778-77-0

(4) Sodium Dihydrogenphosphate

327 µg/ 350µL

119.98 g/mol

Reference number in gazette list in Japan: 1-497

CAS No.: 7558-80-7

(5) Potassium chloride

17.5 µg/ 350µL

74.55 g/ mol

Reference number in gazette list in Japan: 1-228

CAS No.: 7447-40-7

(6) Sodium Chloride

2,760 µg/ 350µL

58.44 g/ mol

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.

Futher information: No data available

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.

Conditions for safe storage: Keep container tightly closed in a dark place away from direct sunlight. Refrigerate at (4°C).

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

8. Exposure controls and personal protection

Engineering measures: Any spillage should be contained immediately, and good general ventilation 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 (175 µg/ 350 µL/ vial, Laminin511-E8)

Color: Clear and Colorless

Odor: No data available

pH : 7.3

Melting point/freezing point: No data available

Initial boiling point: No data available

Flash point: No data available

Spontaneous ignition temp.: No data available

Explosive properties: No data available

Vapor pressure: No data available

Density: No data available

Solubility: No data available

Other safety information: No data available

10. Stability and reactivity

Stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: No data available

Conditions to avoid: Sunlight, heat, Alkali and Oxidants

Hazardous decomposition products: No data available

11. Toxicological information

Acute toxicity: No data available

Skin corrosion/irritation: No data available

Serious eye damage/eye irritation: No data available

Respiratory or skin sensitisation: No data available

Germ cell mutagenicity: No data available

Carcinogenicity – ACGIH: No data available

12. Ecological information

Toxicity: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

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.