

SAFETY DATA SHEET

Review Date: August 2nd, 2017 (Ver.1.3)

SECTION 1. Identification

Product name: Easy iMatrix-511
 Product code: 892 024, 892 025
 Synonyms: laminin-511 E8, laminin-10 E8 fragment
 Manufacturer: Nippi, Incorporated
 Department: Biological and Chemical Products Division
 Address: 1-1-1 Senju Midori-cho, Adachi, Tokyo 120-8601, Japan
 Phone number: +81-(3)-3888-5184
 e-mail: pe-info@nippi-inc.co.jp

SECTION 2. Hazard identification

GHS classification: Not available
 Other hazards: None identified

SECTION 3. Composition/Information on ingredients

Substances or Mixtures: Mixtures
 (1)
 General name: laminin-511 E8 fragment
 CAS No.: Not available Molecular weight: about 150,000
 Concentration and volume: mg/mL, 350 µL/tube
 (2)
 General name: Sodium phosphate dibasic dodecahydrate
 Cas No.: 10039-32-4 Molecular weight: 358.14
 Concentration: 2.9 mg/mL
 (3)
 General name: Potassium dihydrogen phosphate
 Cas No.: 7778-77-0 Molecular weight: 136.09
 Concentration: 0.2 mg/mL
 (4)
 General name: Potassium chloride
 Cas No.: 7447-40-7 Molecular weight: 74.55
 Concentration: 0.2 mg/mL
 (5)
 General name: Sodium chloride
 Cas No.: 7647-14-5 Molecular weight: 58.44
 Concentration: 8 mg/mL
 (6)
 General name: water
 Cas No.: 7732-18-5 Molecular weight: 18.0
 Concentration: 0.97 mg/mL
 (7)
 General name: recombinant human serum albumin
 Cas No.: N/A Molecular weight:
 Concentration:

SECTION 4. First aid measures

Inhalation:	Remove from exposure area to fresh air immediately. Perform artificial respiration, if necessary.
Skin contact:	Immediately wash with water and/or warm water.
Eye contact:	Immediately rinse with plenty of water.
Ingestion:	Vomit immediately.

SECTION 5. Fire-fighting measures

Fire extinguisher:	Can use all kind of fire extinguisher.
Unsuitable fire extinguisher:	Not available
Specific noxiousness:	Slightly fire hazard when exposed to heat or flame Dust-air mixtures may ignite or explode. Thermal decomposition products may include noxious carbon monoxide.
Fire-fighting:	Use a water and/or fire extinguisher. Move container from fire area, if it can be done without risk. Do not scatter spilled material with high-pressure water streams. Keep upwind avoiding inhalation of hazardous vapors.
Protection of worker for fire-fighting:	Recommend that worker wear protective equipment.

SECTION 6. Accidental release measures

Keep unnecessary people away. Recommend that worker wear protective equipment. Beware adhesion to skin and inhalation of dust. Gather spilled materials and dispose of waste according to Federal, State and Local Regulations. Do not flush spilled material into sewer, because BOD and COD values of the waste-water increase. Wash out small amount of spilled material by water and/or warm water.

SECTION 7. Handling and storage

Handling: Do not get wet strictly. Do not handle by bare hands. Use local exhaust ventilation, if necessary. Recommend that worker wear protective equipment and improve the ventilation of a room.

Storage: Avoid high temperature/humidity. Store at 2 to 15°C. Shipping temperature should be 2 to 30 °C. Avoid sunlight and ultraviolet light. Avoid contact with moisture and/or proteolytic substance. Seal up and store at cool and dark place.

SECTION 8. Exposure controls/personal protection

Permissible exposure limit:	Not available
Equipment:	Recommend that provide local exhaust ventilation.
Respiratory protection:	Dust Masks, respirator.
Gloves:	Appropriate protective gloves.
Eye Protection:	Safety glasses
Clothing:	Appropriate protective (impervious) clothing.

SECTION 9. Physical and chemical properties

Appearance:	Colorless liquid
Odor:	Odorless
pH:	7.0 - 7.5
Melting point/freezing point:	Not available
Flammability:	Not available
Upper/lower flammability or explosive limits:	Not available
Relative density:	Not available
Partition coefficient: n-octanol/water:	Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

SECTION 10. Stability and reactivity

Reactivity: No hazardous reaction for most materials.
Chemical stability: Stable under normal condition. But decomposed by proteolytic enzymes, acid and alkali.
Conditions to avoid: May burn but does not ignite readily. Avoid contact with strong oxidizers, open flame, high temperatures, moisture, sparks and the direct rays of the sun.
Incompatible materials: Not available
Hazardous decomposition products: Thermal decomposition products may include toxic oxides of carbon.

SECTION 11. Toxicological information

Acute toxicity: Not available
Skin corrosion/irritation: Not available
Serious eye damage/eye irritation: Not available
Respiratory or Skin sensitization: Not available
Germ cell mutagenicity: Not available
Carcinogenicity: Not available
Reproductive toxicity: Not available
Specific target organ toxicity – single exposure: Not available
Specific target organ toxicity – repeated exposure: Not available
Aspiration hazard: Not available
Other: The toxicological properties have not been fully investigated. No carcinogenicity of this substance is in the list by OSHA. Special cautions are unnecessary to acute and subacute toxicity, mutagenicity and skin sensitization.

SECTION 12. Ecological information

Ecotoxicity: Not available
Persistence and degradability: Biodegradability
Bioaccumulative potential: Not available
Movability in the soil: Not available
Other adverse effects: Not available

SECTION 13. Disposal considerations

Use a large quantity of water to avoid increasing of BOD and COD values. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SECTION 14. Transport information

UN Number: Not available
UN proper shipping name: ADR/RID: Not dangerous goods, IMDG: Not dangerous goods,
IATA: Not dangerous goods
Transport hazard class: Not available
Environmental hazards: Not available

SECTION 15. Regulatory information

OSHA hazards: No known OSHA hazards
SARA 302 components: Not applicable
SARA 313 components: Not applicable
SARA 311/312 components: Not applicable

SECTION 16. Other information

No other special information.

Disclaimer

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. Nippi, Inc. and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See our website <http://www.nippi-inc.co.jp/> and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.