Section 1: Identification of the Substance / mixture and of the Company/undertaking

1.1 Product Identifier
Product Name: NK Cell Initial Medium, NK Cell Initial Cocktail, NK Cell Subculture Medium
Product number: N115a, N115b, N201

1.2 Relevant identified uses of the substance or mixture and advised against
Product use: Cell culture medium

1.3 Details of the supplier safety data sheet
Manufacturer: Biotherapy Institute of Japan Ltd.
2-4-8 Edagawa, Koto-ku, Tokyo, 135-0051 Japan
Tel: +81-3-5632-6080
E-mail address: info@bij-net.com

1.4 Emergency telephone number: +81-3-5632-6080

Section 2: Hazards identification

2.1 Classification of the substance or mixture
The product contains no substances which at their given concentration, are considered to be hazardous to health.

2.2 Label elements
This product does not need to be labeled in accordance with EC directive or respective national laws.

2.3 Other hazards
None

Section 3: Composition/information on ingredients

3.2 Mixtures
No components need to be disclosed according to the applicable regulations.

Section 4: First aid measures

4.1 Description of first aid measures
If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact
Wash off with soap and plenty of water.

In case of eye contact
Flush eyes with water as precaution.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

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

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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

No data available

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**Section 5: Firefighting measures**

5.1. **Extinguishing media**

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2. **Special hazards arising from the substance or mixture**

Carbon oxides

5.3. **Advice for firefighters**

Wear self-contained breathing apparatus for fire-fighting if necessary.

5.3. **Further information**

No data available

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**Section 6: Accidental release measures**

6.1. **Personal precautions, protective equipment and emergency procedures**

Avoid breathing vapors, mist of gas.

6.2. **Environmental precautions**

Do not let product enter drains.

6.3. **Methods and material for containment and cleaning up**

Keep in suitable, closed containers for disposal.

6.4. **Reference to other sections**

For disposal see section 13.

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**Section 7: Handling and storage**

7.1. **Precautions for safe handling**

No data available

7.2. **Conditions for safe storage, including any incompatibilities**

Store in a cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Section 8: Exposure controls/ personal protection

8.1. Control parameters
Components with workplace control parameters.

8.2. Exposure controls

Appropriate engineering controls
General industrial hygiene practice.

Personal protective equipment

Eye/face protection
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove’s outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body protection
Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
Respiratory protection not required. For nuisance exposure use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Appearance</td>
<td>Form: liquid</td>
</tr>
<tr>
<td>b) Odor</td>
<td>no data available</td>
</tr>
<tr>
<td>c) Color</td>
<td>Clear</td>
</tr>
<tr>
<td>d) pH</td>
<td>no data available</td>
</tr>
<tr>
<td>e) Melting point/freezing point</td>
<td>no data available</td>
</tr>
<tr>
<td>f) Initial boiling point and boiling range</td>
<td>no data available</td>
</tr>
<tr>
<td>g) Flash point</td>
<td>no data available</td>
</tr>
<tr>
<td>h) Evaporation rate</td>
<td>no data available</td>
</tr>
</tbody>
</table>
i) Flammability (solid, gas) no data available

j) Upper/lower flammability or explosive limits no data available

k) Vapor pressure no data available

l) Vapor density no data available

m) Relative density no data available

n) Water solubility no data available

o) Partition coefficient: n-octanol/water no data available

p) Auto-ignition temperature no data available

q) Decomposition temperature no data available

r) Viscosity no data available

s) Explosive properties no data available

t) Oxidizing properties no data available

9.2. Other information
No data available

Section 10: Stability and reactivity

10.1. Reactivity
No data available

10.2. Chemical stability
No data available

10.3. Possibility of hazardous reactions
No data available

10.4. Conditions to avoid
No data available

10.5. Incompatible materials
No data available

10.6. Hazardous decomposition products
No data available

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity
No data available
Skin corrosion/irritation
No data available

Serious eye damage/eye irritation
No data available

Respiratory or skin sensitization
No data available

Germ cell mutagenicity
No data available

Carcinogenicity
IARC: No component of this product present at level greater than or equal to 0.1 % is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity
No data available

Specific target organ toxicity – single exposure
No data available

Specific target organ toxicity – repeated exposure
No data available

Aspiration hazard
No data available

Potential health effects
Inhalation    May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion    May be harmful if swallowed.
Skin        May be harmful if absorbed through skin. May cause skin irritation.
Eyes         May cause eye irritation.

Signs and symptoms of exposure
To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

Additional Information
RTECS: Not available.

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Section 12: Ecological information

12.1. Toxicity
No data available

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
12.4. **Mobility in soil**
No data available

12.5. **Results of PBT and vPvB assessment**
No data available

12.6. **Other adverse effects**
No data available

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**Section 13: Disposal considerations**

13.1. **Waste treatment methods**

**Product**
Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**
Dispose of as unused product.

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**Section 14: Transport information**

14.1. **UN number**

ADR/RID: -  IMDG: -  IATA: -

14.2. **UN proper shipping name**

ADR/RID: Not dangerous goods  
IMDG: Not dangerous goods  
IATA: Not dangerous goods

14.3. **Transport hazard class (es)**

ADR/RID: -  IMDG: -  IATA: -

14.4. **Packaging group**

ADR/RID: -  IMDG: -  IATA: -

14.5. **Environmental hazards**

ADR/RID: no  
IMDG Marine Pollutant: no  
IATA: no

14.6. **Special precautions for user**

No data available

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**Section 15: Regulatory information**

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

No data available

15.2. **Chemical safety assessment**

No data available
Section 16: Other information

Research use only.

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. Our company shall not be held liable for any damage resulting from handling or from contact with the above product.