Biotherapy Institute of Japan Ltd.

SAFETY DATA SHEET
MSDS No. MSDS-13002
Revised(year/month/day) : 2013/09/02

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

1.1 Product Identifier
Product Name: NK Cell Initial Flask
Product number: N104(M)

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

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 hazardous substance.

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

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

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.

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 package closed in a dry and well-ventilated place. A package which is 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).

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Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

a) Appearance
Form: Flask

b) Odor
no data available

c) Color
Clear

d) pH
no data available

e) Melting point/freezing point
no data available

f) Initial boiling point and boiling range
no data available

g) Flash point
no data available

h) Evaporation rate
no data available

i) Flammability (solid, gas)
no data available

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

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: no data available
   n-octanol/water
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

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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

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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.

Section 12: Ecological information

12.1. Toxicity
No data available

12.2. Persistence and degradability
No data available

12.3. Bioaccumulative potential
No data available

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

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.

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

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.