

Preparation Date 2018/08/20
Revision Date

Safety Data Sheet (SDS)

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier GAM Broth "Nissui"
 Product Code 05422
 Company Name NISSUI PHARMACEUTICAL CO., LTD.
 Address 3-24-6 Ueno Taito-ku Tokyo Japan
 Company Contact Pharmaceutical Affairs
 Phone Number 03-5846-5613
 Fax Number 03-5484-5619
 Mail Address yakuji@nissui-pharm.co.jp
 Emergency Phone Number 03-5846-5613

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

No applicable GHS classification data

Section 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Distinction of Substance
or Mixture

Mixture

| Chemical Name or Generic Name | Concentration or Its Ranges(%) | Formula | ENCs No./ISHL No. | | CAS RN |
|-----------------------------------|-----------------------------------|---------------------------------|-------------------|-----------|------------|
| | | | ENCs No. | ISHL No. | |
| Peptone | 16.95 | Unknown | (8)-313 | Existence | 73049-73-7 |
| Soya Peptone | 5.08 | Unknown | Unknown | Unknown | Unknown |
| Proteose Peptone | 16.95 | Unknown | Unknown | Unknown | Unknown |
| Digested Serum | 22.88 | Unknown | Unknown | Unknown | Unknown |
| Yeast Extract | 8.47 | Unknown | Unknown | Unknown | Unknown |
| Meat Extract | 3.73 | Unknown | Unknown | Unknown | Unknown |
| Liver Extract | 2.03 | Unknown | Unknown | Unknown | Unknown |
| Dextrose | 5.08 | Unknown | Unknown | Unknown | 54724-00-4 |
| Potassium Dihydrogen Phosphate | 4.24 | KH ₂ PO ₄ | (1)-452 | Existence | 7778-77-0 |
| Sodium Chloride | 5.08 | NaCl | (1)-236 | Existence | 7647-14-5 |
| Soluble Starch | 8.47 | Unknown | Unknown | Unknown | Unknown |
| L-Cysteine Hydrochloride | 0.51 | Unknown | Unknown | Unknown | Unknown |
| Sodium Thioglycollate | 0.51 | HSCH ₂ CO ONa | (2)-1363 | Existence | 367-51-1 |

Impurities and/or
Stabilizing Additives which

No information available

Section 4 – FIRST AID MEASURES

Inhalation

Remove person to fresh air and keep comfortable for breathing.

Skin Contact

Call a doctor if you feel unwell.

Call a doctor if you feel unwell.

Wash with soap and water.

If skin irritation or rash occurs, get medical advice and attention.

Eye Contact

When the ocular stimulation lasts, Seek medical treatment and advice.

Rinse cautiously with water for several minutes.

Ingestion

Rinse mouth.

Call a doctor if you feel unwell.

Section 5 – FIRE FIGHTING MEASURES

Protection of Fire Fighter

In fire fighting, wear respiratory protection and chemical protective clothing.

Section 6 – ACCIDENTAL RELEASE MEASURES

Environmental
Precautions

This product is water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

Methods and Equipment
for Containment and
Cleaning up

Allow material to solidify, and scrape up.

This material creates a fire hazard because it floats on water. If possible, try to contain floating material.

After removal, flush contaminated area thoroughly with water.
Vapor can be controlled using a water fog. Water streams should not be directed to the liquid as this will cause the liquid to boil and generate more vapor.

Reduce airborne dust and prevent scattering by moistening with water.
Vacuum or sweep up material and place in a disposal container.
Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container.

Prevention Measures for
Secondary Accidents

Remove from water surface by skimming or with suitable absorbents. Do not use dispersants.
Removes all ignition sources promptly. (Prohibition of smoking, sparks, and flames in the surrounding area).

Remove thoroughly since the smooth and slippery surface will be formed on the floor.

Section 7 – HANDLING AND STORAGE

Handling

Technical Measures

Provide ventilation system and use necessary personal protective equipment as described in "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION".

Precautions for Safe
Handling

Wash hand thoroughly after handling.

Avoid swallowing.
Avoid contact with skin.
Avoid breathing gas.

Prevents Handling of
Incompatible

Refer to "Section 10 – STABILITY AND REACTIVITY".

Specific Hygiene
Measures

Wash hand thoroughly after handling.

Storage Precautionary
Statements

Conditions for Safe
Storage

Refer to "Section 10 – STABILITY AND REACTIVITY".

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

| | Japan Administration Level | Exposure Limits (Japan Society for | Exposure Limits (ACGIH) |
|------------------|-------------------------------|---------------------------------------|-------------------------|
| Peptone | — | — | — |
| Soya Peptone | — | — | — |
| Proteose Peptone | — | — | — |

| | | | |
|--------------------------------|---|---|---|
| Digested Serum | — | — | — |
| Yeast Extract | — | — | — |
| Meat Extract | — | — | — |
| Liver Extract | — | — | — |
| Dextrose | — | — | — |
| Potassium Dihydrogen Phosphate | — | — | — |
| Sodium Chloride | — | — | — |
| Soluble Starch | — | — | — |
| L-Cysteine Hydrochloride | — | — | — |
| Sodium Thioglycollate | — | — | — |

Engineering Controls

No special ventilation requirements.

Facilities storing or utilizing this product should be equipped with an eyewash facility and safety shower.

Personal Protective Equipment

No information available

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|--|-------------|-----------------------|
| Appearance | Colour | Light brownish yellow |
| Odour | | No data available |
| Odour threshold | | No data available |
| pH | | 7.0~7.2 |
| Melting Point/Freezing Point | | No data available |
| Initial Boiling Point and Boiling Ranges | | No data available |
| Flash Point | | No data available |
| Evaporation Rate | | No data available |
| Flammability (solid, gas) | | No data available |
| Flammability or Explosive Limits | Lower Limit | No data available |
| | Upper Limit | No data available |
| Vapour Pressure | | No data available |
| Vapour Density | | No data available |
| Specific Gravity (Density) | | No data available |
| Solubility | | No data available |
| Partition Coefficient : n-Octanol/Water | | No data available |
| Auto-Ignition Temperature | | No data available |
| Decomposition Temperature | | No data available |
| Viscosity | | No data available |
| Kinematic viscosity | | No data available |

Section 10 – STABILITY AND REACTIVITY

| | |
|-----------------------------------|--------------------------|
| Reactivity | No information available |
| Chemical stability | No information available |
| Possibility of Hazardous Reaction | No information available |

| | |
|--|--------------------------|
| Conditions to Avoid | No information available |
| Incompatible Substances or Mixtures | No information available |
| Hazardous Decomposition Products | No information available |

Section 11 – TOXICOLOGICAL INFORMATION

| | | |
|--|------------|--|
| Acute Toxicity | Oral | Unable to classify due to insufficient data. |
| | Dermal | Unable to classify due to insufficient data. |
| | Inhalation | (gas) Unable to classify due to insufficient data. (vapour) Unable to classify due to insufficient data. (dust and mist) Unable to classify due to insufficient data. |
| Skin Corrosion/Irritation | | Unable to classify due to insufficient data. |
| Serious eye damage/eye irritation | | Unable to classify due to insufficient data. |
| Respiratory or Skin Sensitization | | (respiratory) |
| | | Unable to classify due to insufficient data. (skin) Unable to classify due to insufficient data. Unable to classify due to insufficient data. |
| Germ Cell Mutagenicity | | |
| Carcinogenicity | | Unable to classify due to insufficient data. |
| Reproductive Toxicity | | (Reproductive toxicity) Unable to classify due to insufficient data. (Reproductive toxicity, effects on or via lactation) |
| Specific target organ toxicity (single exposure) | | Unable to classify due to insufficient data. Unable to classify due to insufficient data. |
| Specific target organ toxicity (repeated exposure) | | Unable to classify due to insufficient data. |
| Aspiration Hazard | | Classified as Classification not possible since the kinematic viscosity is unknown. |

Section 12 – ECOLOGICAL INFORMATION

| | |
|---|---|
| Hazardous to the aquatic environment (acute) | Classified as Not classified since the sum of $(M \times 100 \times \text{Category 1}) + (10 \times \text{Category 2}) + \text{Category 3}$ ingredients is 0%. Changed from Not classified to Classification not possible since the mixture contains unknown ingredients. |
| Hazardous to the aquatic environment (long-term) | Classified as Not classified since the sum of $(M \times 100 \times \text{Category 1}) + (10 \times \text{Category 2}) + \text{Category 3}$ ingredients is 0%. Changed from Not classified to Classification not possible since the mixture contains unknown ingredients. |

Hazardous to the ozone layer

Unable to classify due to insufficient data.

Section 13 – DISPOSAL CONSIDERATIONS

Residual Waste

Before disposal, make the wastes harmless, stabilized, and neutralized, and minimize danger and toxicity of the wastes.

Disposal should be in accordance with applicable regulations and standards by the respective local governments.

Commission a waste disposal company, or a local public body who are licensed by local or regional government, to dispose of the material.

When commissioning the disposal to a disposal company, notify the danger and toxicity thoroughly to the company.

Comply with the standards for The Special Control Industrial Wastes under the Waste Disposal Public Cleansing Law (Japan) to dispose of the concerned wastes.

Do not release waste liquid containing the product and used water for cleansing into rivers, etc., or do not discharge the concerned wastes intact for reclamation.

Contaminated Container and Packaging

Recycle containers after cleansing, or carry out the disposal under the related laws and regulations and the standards of the local governments.

In case of disposal of empty containers, remove the content thoroughly.

Section 14 – TRANSPORT INFORMATION

| | | |
|---------------------------------|---|----------------|
| International Regulations | Regulatory Information by Sea | Not regulated |
| | Marine Pollutant | Not applicable |
| | Transport in bulk according to MARPOL 73/78,Annex II ,and | Not applicable |
| | Regulatory Information by Air | Not regulated |
| | Regulatory Information by Road | Not regulated |
| | Regulatory Information by Sea | Not regulated |
| | Marine Pollutant | Not applicable |
| | Transport in bulk according to MARPOL 73/78,Annex II ,and | Not applicable |
| | Regulatory Information by Air | Not regulated |
| | Regulatory Information by Air | Not regulated |
| Regulations in Japan | Regulatory Information by Road | Not regulated |
| | Regulatory Information by Sea | Not regulated |
| Emergency Response Guide Number | Marine Pollutant | Not applicable |
| | Transport in bulk according to MARPOL 73/78,Annex II ,and | Not applicable |
| Emergency Response Guide Number | Regulatory Information by Air | Not regulated |
| | Regulatory Information by Air | Not regulated |
| Emergency Response Guide Number | Regulatory Information by Air | Not regulated |
| | Regulatory Information by Air | Not regulated |
| Emergency Response Guide Number | Regulatory Information by Air | Not regulated |
| | Regulatory Information by Air | Not regulated |

Section 15 – REGULATORY INFORMATION

No main regulations

Section 16 – OTHER INFORMATION

Information Contact

No information available