

# SAFETY DATA SHEET (SDS)

Issued date: Jun. 5, 2018

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : MEM-Hank's concentrated culture solution  
Manufacture : NITTA GELATIN INC  
Address : 2-22 Futamata, Yao-shi, Osaka 581-0024 JAPAN  
Section : Quality Assurance Division  
Telephone Number : 072-949-8261  
Fax Number : 072-949-2908

**Application of the substance/the mixture : Reference material for laboratory use only**

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE/MIXTURE : Mixture

Substance Name	:	Content	/	CAS#
Water	:	90.5%	/	7732-18-5
Minimum Essential medium	:	9.5%	/	-----

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## 3. HAZARDS IDENTIFICATION

Presents no special hazards

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## 4. FIRST-AID MEASURES

EYE CONTACT : Gently rinse the affected eyes, including under the eyelids, with clean lukewarm water or water. Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.  
INGESTION : Rinse mouth with water. Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.

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## 5. FIRE-FIGHTING MEASURES

FLASH POINT : N/A  
AUTOIGNITION TEMP : N/A  
FLAMMABILITY : N/A  
EXTINGUISHING MEDIA : Water, Powder, CO<sub>2</sub>, Foam or Dry sand  
PROTECTIVE EQUIPMENT FOR FIREFIGHTERS : Standard

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## 6. ACCIDENTAL RELEASE MEASURES

Absorb spill with inert material (e.g., dry sand, sawdust or dustcloth), then place in a chemical waste container.  
Flush residual spill area with copious amounts of water.

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## 7. HANDLING AND STORAGE

HANDLING : Avoid inhalation. Avoid contact with eyes, skin, and clothing.  
STORAGE : Keep tightly closed. Store in a cool dry place. Store at 4-8°C.

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## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

CONTROL PARAMETERS      ACGIH (TLV)      : Not established  
   OSHA (PEL)      : Not established  
ENGINEERING MEASURES      : Not required  
PROTECTION EQUIPMENT      : Not required

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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	: Transparent and orange liquid
ODOR	: Almost odorless
pH	: 5.4 – 6.4
BOILING POINT	:N/A
MELTING POINT	:N/A
FLASH POINT	:N/A
DECOMPOSITION TEMP.	:N/A
EXPLOSIVE LIMITS	:N/A
VAPOR PRESSURE	:N/A
SPECIFIC GRAVITY	:N/A
SOLUBILITY IN WATER	:Soluble

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10. STABILITY AND REACTIVITY

STABILITY	:This product is considered a stable material under normal handling conditions
HAZARDOUS DECOMPOSITION PRODUCTS	: Nature of decomposition products not known.

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11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY DATA	:N/A
TOXICITY DATA	:N/A
IRRITATION DATA	:N/A
MUTATION DATA	:N/A
REPRODUCTIVE EFFECTS DATA	:N/A
TUMORIGENIC DATA	:N/A

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12. ECOLOGICAL INFORMATION

BIODEGRADABILITY	:This substance is considered biodegradable.
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13. DISPOSAL CONSIDERATION

Treat using the best available techniques (e.g. activated sludge) before discharging into drains or the aquatic environment.

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14. TRANSPORT INFORMATION

DOT	Not a Hazardous Material for DOT shipping.
IATA	Not Restricted.

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15. REGULATORY INFORMATION

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16. OTHER INFORMATION

*The above information is believed to be correct to be the best of our knowledge and information but does not purport to be all inclusive and shall be used only as a guide. Nitta Gelatin shall not be held liable for any damage resulting from handling or from contact with the above material.*