

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form	: Liquid
Product name	: Liver Organoid Growth Media Kit - Murine
Product code	: 709039
Other means of identification	: N/A

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture	: Culture Media for Murine Liver Organoids
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1.3. Details of the supplier of the safety data sheet

Supplier	Manufacturer
ADS Biotec Inc. 7409 Irvington Road Omaha, NE 68122 – USA support@adsbiotec.com	BioFuture Medicine Polo tecnologico di Pordenone Via Roveredo 20b, Pordenone, Italy 33170 info@biofuturemedicine.com

1.4. Emergency telephone number

Emergency Contact Number	: USA: 1-800-255-3924 (CHEMTEL 24hr); International: +1-813-248-0585 (CHEMTEL 24hr)
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SECTION 2 : Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Not Classified

Physical Hazards

Not Classified

Health Hazards

Not Classified

Environmental Hazards

Not Classified

Signal Word

None

Hazard Statements

Not Applicable

Precautionary Statements

Not Applicable

SECTION 3: Composition/information on ingredients

3.1. Mixture

Ingredients: Water, Glucose, Amino Acids, Vitamins, Minerals, Growth Factors, Proteins, and Fetal Bovine Serum (FBS).

CAS Registry: Not Available

HS Code: 38210000 – Prepared culture media for the development or maintenance of micro-organisms “including viruses and the like” or of plant, human, or animal cells.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove to fresh air, keep the patient warm and at rest. If symptoms develop obtain medical attention.
First-aid measures after skin contact	: Rinse skin with soap and water for at least 15 minutes. If symptoms develop obtain medical attention.
First-aid measures after eye contact	: Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms develop obtain medical attention.
First-aid measures after ingestion	: Rinse mouth with water. Do NOT induce vomiting. If symptoms develop obtain medical attention.

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4.2. Note to Physician

This product contains various ingredients to culture murine liver organoids. The ingredients are similar to those in culture medias used for the culture of murine liver cell lines in the US, EU, or Asian countries.

SECTION 5: Firefighting measures

5.1. Flammable Properties

Flash point or ignition temperature data not available.

5.2. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with eyes, skin and clothing. Use personal protective equipment. Wash spill site with water after material pickup is complete. Keep in suitable, closed containers for disposal.
Do not allow product to enter common drains.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care.
Precautions for safe handling : Avoid contact with skin, eyes and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Keep containers closed tightly in a freezer or refrigerator when not in use.

SECTION 8: Exposure controls/personal protection

8.1. Exposure controls

Appropriate engineering controls : Ensure adequate ventilation.
Personal protective equipment : Avoid all unnecessary exposure.
Hand protection : Wear chemically resistant protective gloves.
Eye protection : Chemical goggles or safety glasses.
Respiratory protection : In case of inadequate ventilation: Use an approved air purifying respirator to control exposure. Follow respirator protection requirements (OSHA 1910.134 and ANSI Z88.2) for all respirator use.
Thermal hazard protection : Not required for normal conditions of use.
Environmental exposure controls : Not normally required.
Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Clear
Colour : Pink
Odour : No data available
Odour threshold : No data available
pH : ~7
Melting point : ~0°C
Freezing point : ~0°C
Boiling point : No data available
Flash point : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Relative density : No data available
Solubility : Miscible with water.
Viscosity : No data available
Explosive properties : No data available

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Oxidising properties : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Stability

Stable under normal conditions.

10.2. Conditions to avoid

Avoid storage at ambient or high temperatures.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified
Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified
Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Not classified.

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. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not dispose of product into sewers, on the ground, or into any body of water.

SECTION 14: Transport information

In accordance with DOT
UN-No.(DOT) : HS code: 38210000
DOT Proper Shipping Name : Culture Media
Department of Transportation (DOT) Hazard Classes : Not Regulated
Hazard labels (DOT) : None Required
DOT Symbols : None Required
Packing group (DOT) : Not Regulated
DOT Packaging Exceptions (49 CFR 173.xxx) : Not Regulated
DOT Packaging Non Bulk (49 CFR 173.xxx) : Not Regulated
DOT Packaging Bulk (49 CFR 173.xxx) : Not Regulated

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DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : Not Regulated
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : Not Regulated
DOT Vessel Stowage Location : Not Regulated

Additional information

Other information : Not classified.

Special transport precautions : No special precautions required.

Transport by sea

UN-No. (IMDG) : Not Regulated
Proper Shipping Name (IMDG) : Not Regulated
Class (IMDG) : Not Regulated
Packing group (IMDG) : Not Regulated

Air transport

UN-No. (IATA) : Not Regulated
Proper Shipping Name (IATA) : Not Regulated
Class (IATA) : Not Regulated
Packing group (IATA) : Not Regulated

SECTION 15: Regulatory information

15.1. US Federal regulations

Not Applicable

15.2. International regulations

Not Applicable

15.3. US State regulations

Not Applicable

SECTION 16: Other information

Abbreviations and acronyms : ADR (Accord européen relatif au transport international des marchandises Dangereuses par Route). CAS (Chemical Abstracts Service) number. IARC (International Agency for Research on Cancer). IATA (International Air Transport Association). IMDG (International Maritime Dangerous Goods Code). RID (Règlement concernant le transport international ferroviaire de marchandises).

Other information : None.

NCEC SDS US GHS (Hazcom 2012)

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