

SAFETY DATA SHEET

StemFit For Mesenchymal Stem Cell

*The information is provided as a service to our customers and is intended only for their use.
This information is based on technical information believed to be reliable and will be
revised as new knowledge or experience is gained.*

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: StemFit For Mesenchymal Stem Cell

Product Number: A3

General Use: Culture for StemCell

Product Description: Solution

MSDS Number: Not Available

MANUFACTURER

Company Name: AJINOMOTO CO., INC.

Address: 1-15-1, Kyobashi, Chuo-ku, Tokyo 104-8315, Japan

Email: stemfit@asv.ajinomoto.com

2. HAZARDS IDENTIFICATION

GHS classification: 0.1% Ethanol

Signal word: WARNING

Hazard pictogram:



PHYSICAL HAZARDS:

GHS Physical Hazard	Flammable liquids
GHS Physical Hazard Category Number	Category 2

HEALTH HAZARDS: Not Hazardous

ENVIRONMENTAL HAZARDS: Not Hazardous

Date of Issue: Aug. 2019

Revision date: Mar. 2025

Revision Number: Version04

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Hazard statements: H226 - Flammable liquid and vapor

Precautionary statements:

Prevention

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No **smoking**

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P233 - Keep container tightly closed

P243 - Take action to prevent static discharges

P240 - Ground/bond container and receiving equipment

Response

P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Storage

P403 + P235 - Store in a well-ventilated place. Keep cool

Disposal

P501 - Dispose of contents/ container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Weight%
Ethyl alcohol	64-17-5	0.1

Other Ingredients: Water, Glucose, Amino acids, Vitamin, Mineral, Growth factors and Protein
CAS Registry Number: Not Available

HS code: 382100

4. FIRST-AID MEASURES

INHALATION: If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.

EYE : Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician.

SKIN : Wash off with soap and plenty of water for at least 15 minutes. Consult a physician.

INGESTION: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

PROTECTION TO FIRST-AIDERS: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

NOTE TO PHYSICIAN: This product is containing various ingredients to culture the Stem Cell. The ingredients are, water, glucose, amino acids, vitamin, minerals, growth factors and proteins. These ingredients are almost similar one with the sold mediums used for the culture for ES cell or iPS cell in US, EU or Asian countries.

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5. FIRE-FIGHTING MEASURES

FLAMMABLE PROPERTIES: Data of flash point or ignition temperature are not available.

EXTINGUISHING MEDIA: Use carbon dioxide, dry chemical powder, appropriate foam or water spray.

6. ACCIDENTAL RELEASE MEASURES

LAND SPILL: Use personal protective equipment. Wash spill site with water after material pickup is complete. Keep in suitable, closed containers for disposal.

WATER SPILL: Do not let product enter drains.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with skin and eyes.

STORAGE: Keep container tightly in the refrigerator.

8. EXPOSURE CONTROLS/PERSONAL

Chemical Name	OSHA PEL	JAPAN REL
Ethyl alcohol	1000 ppm 1900 mg/m ³	None

PROTECTION

EXPOSURE LIMIT VALUES: Not Available

EXPOSURE CONTROLS: Not Available

Occupational Exposure Controls

Engineering controls: Not Available

Personal Protection

Respiratory Protection: NIOSH or MSHA-approved respirator.

Mechanical exhaust is required.

Hand Protection: Handle with chemical-resistant gloves.

Eye Protection: Put on safety glasses.

Skin Protection: Choose body protection according to the amount and concentration of the dangerous substance at the workplace.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.
Wash hands before breaks and at the end of workday.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solution

Odour: Non-odour.

pH: Around pH7

Boiling Point/Boiling Range: Not Available

Melting Point/Melting Range: Almost 0°C

Decomposition Temperature: Not Available

Flash Point: Not Available

Auto Ingestion Temperature: Not Available Flammability: Not Available

Explosive Properties: Not Available

Oxidizing Properties: Not Available

Vapor Pressure: Not Available

Relative Density: Not Available

Solubility: Solution

Partition Coefficient (n-octanol/water): Insoluble in non-polar solvents.

Viscosity: Not Available

Vapour Density: Not Available

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Product storage under ambient or heated conditions.

STABILITY: Stable for 3 years in the freezer

MATERIALS TO AVOID: Heated surfaces or surroundings due to possible product instability

HAZARDOUS REACTIONS/DECOMPOSITION PRODUCTS:

Not Available

11. TOXICOLOGICAL INFORMATION

Chemical Name	LD50 (Oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Ethyl alcohol	7060mg/kg(rat)	No data available	124.7 mg/L(Rat)

Acute Toxicity: Not Available

Eye Irritation: Not Available

Skin Irritation: Not Available

Sensitization: Not Available

Repeated Dose Toxicity: Not Available

Chronic Toxicity: Not Available

Mutagenicity: Not Available

Carcinogenicity: Not Available

Reproductive and Developmental Toxicity: Not Available

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12. ECOLOGICAL INFORMATION

Chemical Name	Freshwater Algae Data	Water Flea Data	Freshwater Fish Species Data	Microtox Data	Log Pow
Ethyl alcohol	No data Available	Daphnia magna EC50=2mg/L (48 h) Daphnia magna LC50=268 - 14221 mg/L (48 h)	No data Available	No data Available	logPow=0.32

ECOTOXICITY: Not Available

MOBILITY : Not Available

PERSISTENCE AND BIODEGRADABILITY: Not Available

BIOACCUMULATIVE POTENTIAL: Not Available

OTHER ADVERSE EFFECTS: Not Available

13. DISPOSAL CONSIDERATION

Comply with all federal, state and local regulations.

Do not dump this product into sewers, on the ground or into any body of water.

14. TRANSPORT INFORMATION

US DEPARTMENT OF TRANSPORTATION (DOT)

HS code: 382100

Hazardous Materials: Not regulated.

Hazardous Materials Description and Proper Shipping Name: Not regulated.

Hazardous Class or Division: Not regulated.

Identification Number: Not regulated.

Packing Group (PG) : Not regulated.

Label(s) Required: Not regulated.

SEA TRANSPORT

HS code: 382100

IMDG: Not regulated.

Class: Not regulated.

Packing Group (PG) : Not regulated.

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UN Number: Not regulated.
Proper Shipping Name: Not regulated.
Marine Pollutant: Not regulated.

AIR TRANSPORT

HS code: 382100
ICAO/IATA: Not regulated.
Class: Not regulated.
Packaging Group (PG) : Not regulated.
UN Number: Not regulated.
Proper Shipping Name: Not regulated.

15. REAGULATORY INFORMATION OSHA STATUS: Not applicable
TSCA STATUS: Listed (Ethyl Alcohol CAS# 64-17-5)
Industrial Safety and Health Act(JP): Listed (Ethyl Alcohol CAS# 64-17-5)
CERCLA REPORTABLE QUANTITY (40 CFR 117,302) : Not applicable
SARA TITLE III: Not applicable SECTION
302 (40 CFR 355)
SECTION 311/312 (40 CFR 370)
SECTION 313 (40 CFR 372)
Please refer to any other federal, state and local regulations.

16. OTHER INFORMATION

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