

**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 Code: A3  
General Use: Culture for Stem  
Cell Product Description: Solution  
MSDS Number: Not Available

**MANUFACTURER**

Company Name: AJINOMOTO CO., INC.  
Address: 1-15-1, Kyobashi, Chuo-ku, Tokyo 104-8315, Japan  
E-mail Address: stemfit@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

# SAFETY DATA SHEET

## StemFit For Mesenchymal Stem Cell

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.

### MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

: H226 -Flammable liquid and vapor

**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 stem 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 freezer of refrigerator

### 8. EXPOSURE CONTROLS/PERSONAL

Chemical Name	OSHA PEL	JAPAN REL
Ethyl alcohol	1000 ppm 1900 mg/m <sup>3</sup>	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 work place.

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

**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  
 Evaporation Rate: Not Available

**10. STABILITY AND REACTIVITY**

CONDITIONS TO AVOID: Product storage under ambient or heated conditions.  
 STABILITY: Not Available  
 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	7060 mg/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=2 mg/L (48 h) Daphnia magna LC509268 - 14221 mg/L (48 h)	no data available	no data available	logPow-0.32

ECOTOXICITY: Not Available

MOBILITY: Not Available

PRESISTENCE 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 TRANSPORTATIONS (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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