



## SAFETY DATA SHEET

### StemFit For Differentiation (AS401)

*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 Differentiation  
Product Code: AS401  
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: stemfit@asv.ajinomoto.com

#### 2. HAZARDS IDENTIFICATION

GHS 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

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient: Water, Glucose, Amino acids, Vitamin, Mineral, Growth factors and Protein  
CAS Registry Number: Not Available  
HS code: 382100



## SAFETY DATA SHEET

### StemFit For Differentiation (AS401)

#### 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.

#### 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.

Date of issue: May 5, 2019  
Revision date: Jan 20, 2022

Version 02

Page 2 of 5

StemFit For Differentiation (AS401)

8. EXPOSURE CONTROLS/PERSONAL 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: Storage in the freezer

STABILITY: Stable for 18 months in the freezer



**StemFit For Differentiation (AS401)**

**MATERIALS TO AVOID:** Room temperature

**HAZARDOUS REACTIONS/DECOMPOSITION PRODUCTS:** Not Available

**11. TOXICOLOGICAL INFORMATION**

- 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

**12. ECOLOGICAL INFORMATION**

- ECOTOXICITY: Not Available
- MOBILITY: Not Available
- PRESISTENCE AND BIODEGRADABILITY: Not Available
- BIOACCUMIRATIVE 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.



**StemFit For Differentiation (AS401)**

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: Not applicable  
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**

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of AJINOMOTO CO., INC. It relates only to the specific product designated herein, and does not related to use in combination with any other material or in any process. AJINOMOTO CO., INC. assumes no legal responsibility for use of or reliance upon this information.

---

Date of issue: May 5, 2019  
Revision date: Jan 20, 2022

**Version 02**

Page 5 of 5