

## SAFETY DATA SHEET

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

**Product Name:** STEM-CELLBANKER DMSO Free GMP grade  
**Company:** AMS Biotechnology (Europe) Limited  
184 Park Drive, Milton Park,  
Abingdon OX14 4SE, United Kingdom  
**Telephone:** +44 (0) 1235 828 200  
**Fax:** +44 (0) 1235 820 482  
**Product Code:** 13925 (20 ml) / 13926 (100 ml) / 11897F (4 x20ml)

### SECTION 2: Hazards identification

**GHS classification and label elements, including precautionary statements:**

Not applicable

### SECTION 3: Composition/information on ingredients

**Uniform product or mixture:** Mixture  
**Intended Use:** Cell cryopreservation solution

**Product composition:**

Ingredients	CAS №	EINECS №	RTECS #	Amount (%)
Propylene glycol	57-55-6	200-338-0	TY6300000	10%
Inorganic salts	-	-	-	≤10%

**Hazardous ingredients:** Not applicable

### SECTION 4: First aid measures

**If inhaled:** If breathed in, move person into fresh air. Keep calm and warm. Consult a physician immediately.

**In case of skin contact:** Wash off with soap and plenty of water. Remove contaminated clothes. Consult a physician if area becomes inflamed.

**In case of eye contact:** Immediately flush eyes with running water for several minutes (remove contact lenses if easily possible). Consult a physician immediately.

**If swallowed:** Rinse mouth thoroughly with water and have person drink one to two

glasses of water or milk. Consult a physician immediately. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

#### **SECTION 5: Firefighting measures**

- Extinguishing media:** Fire-extinguishing powder, carbon dioxide, foam (alcohol foam), water
- Special hazards arising from the substance or mixture:** May give off irritating or toxic fumes (or gasses) in fires. During firefighting, wear proper protective equipment to avoid smoke inhalation.
- Advice for firefighters:** Extinguish with extinguishing media, cutting off the source of the fire. Promptly move all movable containers to a safe location. Cool non-movable containers by spraying mist around the area.
- Protection for firefighters:** Perform firefighting activities upwind, avoiding the inhalation of hazardous gasses.  
Wear self-contained breathing apparatus for firefighting if necessary.

#### **SECTION 6: Accidental release measures**

- Personal precautions:** If indoors, ventilate adequately until disposal is complete. Rope off location around area of release to prevent access by unauthorized personnel.
- Environmental precautions:** Do not let product enter drains. Ensure that contaminated waste water is not released into the environment before being properly treated.
- Methods for cleaning up:** Keep away from fire. Mop up spilled liquid with rags, towels, or earth, collect in an empty container, and wash away with plenty of water.  
Be sure to wear protective equipment when working. Work upwind.

#### **SECTION 7: Handling and storage**

- Precautions for safe handling:** Wear proper protective equipment to avoid inhalation and prevent contact with eyes, skin, and clothing.
- Conditions for safe storage:** Store at 2 to 8°C or less than -20°C.

#### **SECTION 8: Exposure controls/personal protection**

##### **Control parameters**

**Control concentration:** No data available

**Permissible concentration**

**Japan Society for Occupational Health:** Not established

**ACGIH TLV(S):** Not established

OSHA PEL: Not established

**Exposure Prevention**

**Facility control:** Install local ventilation.

**Protective equipment**

**Respiratory protection:** Respiratory protective mask

**Hand protection:** Protective gloves

**Eye protection:** Protective eyewear

**Skin and Body protection:** Protective clothing

**SECTION 9: Physical and chemical properties**

<b>Form:</b>	Liquid
<b>Color:</b>	Clear, colorless liquid
<b>Odor:</b>	Slight characteristic odor
<b>pH:</b>	7.0-9.0 (20°C)
<b>Boiling point:</b>	No data available
<b>Melting point:</b>	No data available
<b>Flash point:</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Explosive properties:</b>	No data available
<b>Vapor pressure:</b>	No data available
<b>Specific gravity:</b>	No data available
<b>Solubility:</b>	Dissolved in water

**SECTION 10: Stability and reactivity**

No data available

**SECTION 11: Toxicological information**

**Information on toxicological effects**

<b>Acute toxicity:</b>	No data available
<b>Local effects:</b>	No data available
<b>Sensitization:</b>	No data available
<b>Germ cell mutagenicity:</b>	No data available
<b>Carcinogenicity:</b>	No data available
<b>Teratogenicity:</b>	No data available
<b>Reproductive toxicity:</b>	No data available
<b>Specific target organ toxicity (single / repeated):</b>	No data available

**Aspiration hazard:** No data available

## **SECTION 12: Ecological information**

### **Ecotoxicity**

**Aquatic toxicity:** No data available

### **Solubility in water:**

(Propylene glycol)

Mixing (ICSC, 2014)

**Persistence/Degradability:** No data available

### **Bioaccumulation:**

(Propylene glycol)

log Pow=-0.92 (ICSC, 2014)

**Mobility in soil:** No data available

**Ozone depleting substances:** No data available

## **SECTION 13: Disposal considerations**

### **Waste treatment**

Dispose according to local public and other applicable regulations.

## **SECTION 14: Transport information**

**UN number:** Not applicable

**UN classification:** Not applicable

**Transport in bulk according to Annex II of MARPOL and the IBC Code:**

Hazardous liquid substances (Z)

Propylene glycol

## **SECTION 15: Regulatory information**

**Safety, health and environmental regulations or laws specific to the product**

**Poisonous and Deleterious Substances Control Law:** Not applicable

**Industrial Safety and Health Law:** Products not applicable as organic solvents

**Law for promotion of Chemical Management (Pollutant Release and Transfer Register Law):**

Not applicable

**Fire Service Law:** Not applicable

<b>Low on Chemical Substitution:</b>	Priority evaluation chemical substance Propylene glycol
<b>Ship Safety Law (Regulations for the Carriage and Storage of Dangerous Goods in Ship):</b>	Not applicable
<b>Civil Aeronautics Law:</b>	Not applicable

## **SECTION 16: Other information**

### **References**

Globally Harmonized System of classification and labeling of chemicals, (5th ed., 2013), UN  
 Recommendations on the TRANSPORT OF DANGEROUS GOODS 19th edit., 2015 UN  
 Classification, labeling and packaging of substances and mixtures (table3-1 ECNO6182012)  
 2012 EMERGENCY RESPONSE GUIDEBOOK (US DOT)  
 2016 TLVs and BEIs. (ACGIH)  
<http://monographs.iarc.fr/ENG/Classification/index.php>  
 JIS Z 7253 (2012)  
 JIS Z 7252 (2014)  
 2015 Recommendation for allowable concentrations (Japan Society for Occupational Health)  
 Supplier's data/information

### **Responsibilities**

This data sheet was prepared based on the present state of our knowledge, and the information may be supplemented or revised if newer information becomes available.

This data sheet was prepared for the purpose of providing information and does not guarantee with regarding to the descriptions.