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**OXFORD**  
EXPRESSION  
TECHNOLOGIES

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# Safety Data Sheet

## 1. PRODUCT INFORMATION

**Product name:** *Spodoptera frugiperda* Sf9 insect cells in ESF 921 medium containing 10% v/v DMSO

**Product code:** 600100

**Company undertaking Identification:** Oxford Expression Technologies Ltd, BioInnovation Hub, Gipsy Lane Campus, Oxford OX3 0BP, UK

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous/Non-hazardous Components

Chemical Name	CAS-No	EINECS-No	Weight %
Dimethylsulphoxide	67-68-5	-	7-13

The product contains no substances, which at their given concentration, are considered to be hazardous to health.

## 3. HAZARDS IDENTIFICATION

### Classification

The product is classified and labelled in accordance with Directive 1999/45/EC

**Form**                      Liquid

### Principle routes of exposure/Potential health effects

**Eyes**                              Mild eye irritation  
**Skin**                                Moderate skin irritation; may be absorbed into body through skin  
**Inhalation**                        No information available  
**Ingestion**                         May be harmful if swallowed

### Specific effects

**Carcinogenic effects**          No information available  
**Mutagenic effects**                No information available  
**Reproductive toxicity**        No information available  
**Sensitization**                      No information available

**Target Organ Effects** No information available

#### 4. FIRST AID MEASURES

**Skin contact** Wash off immediately with plenty of water  
**Eye contact** Wash thoroughly with water, also under eyelids  
**Ingestion** No specific measure: never give anything by mouth to unconscious person  
**Inhalation** No specific measure: move to fresh air  
**Notes to physician** Treat symptomatically

#### 5. FIRE FIGHTING MEASURES

**Suitable extinguishing media** Dry chemical  
**Special protective equipment for fire fighters** Wear self-contained breathing apparatus and protective suit

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions** Use standard personal protective equipment  
**Methods for clean up** Soak up with inert absorbent material

#### 7. HANDLING AND STORAGE

**Handling** No special handling advice required  
**Storage** Keep in properly labelled containers

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Occupational exposure controls**

**Exposure limits**

Chemical Name	EU OEL (TWA)	EU OEL (STEL)	EU Skin Notation
Dimethylsulphoxide	-	-	-

Chemical Name	Australia OEL (MAK)	Belgium (TWA)	Denmark (TWA)	Finland OEL (TWA)
Dimethylsulphoxide	160 mg/m <sup>3</sup> 50ppm	-	-	-

Chemical Name	France OEL (VME)	Germany OEL (TWA)	Ireland (TWA)	Italy OEL (TWA)
Dimethylsulphoxide	-	160 mg/m <sup>3</sup>	-	-

Chemical Name	Netherlands OEL (MAC)	Spain OEL (TWA)	United Kingdom
Dimethylsulphoxide	150 mg/m <sup>3</sup>	-	-

**Engineering measures** Ensure adequate ventilation in confined areas

**Personal protective equipment**

<b>Respiratory protection</b>	In case of inadequate ventilation wear suitable respiratory equipment
<b>Hand protection</b>	Impervious butyl rubber gloves. Nitrile gloves are not recommended as breakthrough times may be 5 mins
<b>Eye protection</b>	Safety glasses with side shields
<b>Skin and body protection</b>	Lightweight protective laboratory coat
<b>Hygiene measures</b>	Wash hands before leaving laboratory and other good hygiene practices
<b>Environmental exposure controls</b>	Prevent product from entering the drains by appropriate disposal into biohazard waste containers

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General information

**Form** Liquid

### Health & Safety and Environmental information

Boiling point/range	Data not known
Melting point/range	Data not known
Flashpoint	Data not known
Autoignition point	Data not known
Oxidising properties	No data available
Water solubility	soluble

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable
<b>Materials to avoid</b>	Data not known
<b>Hazardous decomposition products</b>	Data not known
<b>Polymerisation</b>	Hazardous polymerisation does not occur

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Dimethylsulphoxide	14500 mg/kg (Rat)	-	-

### Main routes of exposure / potential health effects

<b>Eyes</b>	Mild eye irritation
<b>Skin</b>	Moderate skin irritation; may be absorbed into body through skin
<b>Inhalation</b>	No information available
<b>Ingestion</b>	May be harmful if swallowed

### Specific Effects

**Carcinogenic effects** No information available

Mutagenic effects	No information available
Reproductive toxicity	No information available
Sensitization	No information available
Target Organ Effects	No information available

## 12. ECOLOGICAL EFFECTS

Ecotoxicity effects	No information available
Mobility	No information available
Biodegradation	Inherently biodegradable
Bioaccumulation	Does not occur

## 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

## 14. TRANSPORT CONSIDERATIONS

### IATA

Proper shipping name	Not classified as dangerous in the meaning of transport regulations
Hazard class	No information available
Subsidiary class	No information available
Packing group	No information available
UN-No	No information available
RID/ADR	Non-hazardous for road transport
IMDG	Non-hazardous for sea transport

## 15. REGULATORY INFORMATION

This product has been classified as compliant to Regulation (EC) No. 1272/2008 (CLP) (amending Council Directives 67/548/EEC and 1999/45/EC) and Regulation (EC) 1907/2006 (REACH) (last amended by Regulation (EC) 2015/830).

R-phrase	No information available
S phrase	No information available

### International inventories

Chemical Name	EINECS	ELINCS	PICCS	ENCS	CHINA	TSCA	AICS	KECL
Dimethylsulphoxide	Listed	-	Listed	Listed	Listed	Listed	Listed	Listed

## 16. OTHER INFORMATION

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**END OF MATERIAL SAFETY DATA SHEET**

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