



Oxford Expression Technologies Ltd  
BioInnovation Hub (Tonge Building)  
Gipsy Lane Campus  
Oxford OX3 0BP UK

t: +44 (0)1865 483236

f: +44 (0)1865 483250

e: info@oetltd.com

**OXFORD**  
EXPRESSION  
TECHNOLOGIES

## Safety Data Sheet

### 1. PRODUCT INFORMATION

<b>Product name:</b>	<i>Spodoptera frugiperda</i> Super Sf9 (1-3) insect cells in ESF 921 medium containing 10% v/v DMSO
<b>Product code:</b>	600102/600103/600104
<b>Company undertaking Identification:</b>	Oxford Expression Technologies Ltd, Gipsy Lane Campus, Oxford OX3 0BP, UK
<b>Customer service</b>	info@oetltd.com
<b>Emergency information</b>	office hours +44(0)1865 483236

### 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

<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

<b>Mutatgenic effects</b>	No information available
<b>Reproductive toxicity</b>	No information available
<b>Sensitization</b>	No information available
<b>Target Organ Effects</b>	No information available

#### 4. FIRST AID MEASURES

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

#### 5. FIRE FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Dry chemical
<b>Special protective equipment for fire fighters</b>	Wear self-contained breathing apparatus and protective suit

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Use standard personal protective equipment
<b>Methods for clean up</b>	Soak up with inert absorbent material

#### 7. HANDLING AND STORAGE

<b>Handling</b>	No special handling advice required
<b>Storage</b>	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**

**Respiratory protection** In case of inadequate ventilation wear suitable respiratory equipment

**Hand protection** Impervious butyl rubber gloves. Nitrile gloves are not recommended as breakthrough times may be 5 mins

**Eye protection** Safety glasses with side shields

**Skin and body protection** Lightweight protective laboratory coat

**Hygiene measures** Wash hands before leaving laboratory and other good hygiene practices

**Environmental exposure controls** 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

<b>Carcinogenic effects</b>	No information available
<b>Mutatgenic effects</b>	No information available
<b>Reproductive toxicity</b>	No information available
<b>Sensitization</b>	No information available

<b>Target Organ Effects</b>	No information available
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## 12. ECOLOGICAL EFFECTS

<b>Ecotoxicity effects</b>	No information available
<b>Mobility</b>	No information available
<b>Biodegradation</b>	Inherently biodegradable
<b>Bioaccumulation</b>	Does not occur

## 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

## 14. TRANSPORT CONSIDERATIONS

### IATA

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

<b>R-phrase</b>	No information available
<b>S phrase</b>	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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