



Oxford Expression Technologies Ltd
BioInnovation Hub
Gipsy Lane
Oxford OX3 0BP UK

OXFORD
EXPRESSION
TECHNOLOGIES

t: +44 (0)1865 483236
e: info@oetltd.com

Safety Data Sheet

1. PRODUCT INFORMATION

Product name: *Spodoptera frugiperda* Super Sf9 (1-3) insect cells in ESF 921 medium containing 10% v/v DMSO

Product code: 600102/600103/600104

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 ³ 50ppm	-	-	-

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

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

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
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9. PHYSICAL AND CHEMICAL PROPERTIES

General information

Form	Liquid
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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

Stability	Stable
Materials to avoid	Data not known
Hazardous decomposition products	Data not known
Polymerisation	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

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

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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