## **SAFETY DATA SHEET**



MMP detection assay (96tests), Part Number 8931084

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

1.1 Product identifier

Product name : MMP detection assay (96tests), Part Number 8931084

CAS number : DMSO 67-68-5

JC-1 3520-43-2

Part no. (chemical kit) : 8931084

Part no. : DMSO Not available.

JC-1 Not available.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : For In Vitro Diagnostic Use

DMSO 1 x 500 μl JC-1 1 x 10 μg

Uses advised against : None known.

1.3 Details of the supplier of the safety data sheet

Agilent Technologies Deutschland GmbH

Hewlett-Packard-Str. 8 76337 Waldbronn Germany 0800 603 1000

e-mail address of person

: pdl-msds author@agilent.com

responsible for this SDS

1.4 Emergency telephone number

**Emergency telephone** 

number (with hours of

operation)

: CHEMTREC®: +(44)-870-8200418

### **SECTION 2: Hazards identification**

2.1 Classification of the substance or mixture

Product definition : DMSO Mono-constituent substance

JC-1 Mono-constituent substance

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified.

DMSO The product is not classified as hazardous according to Regulation (EC)

1272/2008 as amended.

JC-1 The product is not classified as hazardous according to Regulation (EC)

1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Signal word : DMSO No signal word.

JC-1 No signal word.

**Hazard statements**: DMSO No known significant effects or critical hazards.

JC-1 No known significant effects or critical hazards.

**Precautionary statements** 

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### **SECTION 2: Hazards identification**

: DMSO **Prevention** Not applicable.

Not applicable. JC-1

: DMSO Not applicable. Response Not applicable. JC-1

: DMSO Not applicable.

Not applicable.

**Disposal** : DMSO Not applicable.

JC-1

Not applicable. JC-1

Supplemental label : DMSO Not applicable. JC-1 Not applicable. elements

Annex XVII - Restrictions : DMSO Not applicable. Not applicable. on the manufacture, JC-1 placing on the market and use of certain dangerous substances.

**Special packaging requirements** 

mixtures and articles

**Tactile warning of** Not applicable. : DMSO Not applicable. JC-1 danger

#### 2.3 Other hazards

**Storage** 

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

PBT	Р	В	Т	vPvB	vP	vB
<b>DMSO</b> No	N/A	No	No	No	N/A	No
JC-1 No	N/A	N/A	No	N/A	N/A	N/A

Other hazards which do not result in

classification

: DMSO None known. JC-1 None known.

### **SECTION 3: Composition/information on ingredients**

: DMSO 3.1 Substances Mono-constituent substance JC-1 Mono-constituent substance

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
DMSO					
dimethyl sulfoxide	EC: 200-664-3 CAS: 67-68-5	100	Not classified.	-	[1]
JC-1					
1H-Benzimidazolium, 5,6-dichloro-2-[3- (5,6-dichloro-1,3-diethyl- 1,3-dihydro-2H- benzimidazol-2-ylidene) -1-propen-1-yl]-1,3-diethyl-, iodide (1:1)	CAS: 3520-43-2	100	Not classified.	-	[1]
			See Section 16 for the full text of the H statements declared above.		

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### **SECTION 3: Composition/information on ingredients**

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

<u>Type</u>

DMSO [1] Constituent JC-1 [1] Constituent

JC-1

Occupational exposure limits, if available, are listed in Section 8.

### **SECTION 4: First aid measures**

4.1 Description of first aid measures

**Eye contact**: DMSO Immediately flush eyes with plenty of water, occasionally

lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. Immediately flush eyes with plenty of water, occasionally

lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation : DMSO Remove victim to fresh air and keep at rest in a position

comfortable for breathing. Get medical attention if

symptoms occur.

JC-1 Remove victim to fresh air and keep at rest in a position

comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for

48 hours.

**Skin contact**: DMSO Flush contaminated skin with plenty of water. Remove

contaminated clothing and shoes. Get medical attention if

symptoms occur.

JC-1 Flush contaminated skin with plenty of water. Remove

contaminated clothing and shoes. Get medical attention if

symptoms occur.

Ingestion : DMSO Wash out mouth with water. If material has been swallowed

and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if

symptoms occur.

JC-1 Wash out mouth with water. If material has been swallowed

and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if

symptoms occur.

Protection of first-aiders : DMSO No action shall be taken involving any personal risk or

without suitable training.

JC-1 No action shall be taken involving any personal risk or

without suitable training.

### 4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

**Skin contact** 

**Eye contact**: DMSO No known significant effects or critical hazards.

JC-1 No known significant effects or critical hazards.

Inhalation : DMSO No known significant effects or critical hazards.

JC-1 No known significant effects or critical hazards.

: DMSO No known significant effects or critical hazards.

JC-1 No known significant effects or critical hazards.

Ingestion : DMSO No known significant effects or critical hazards.

JC-1 No known significant effects or critical hazards.

Over-exposure signs/symptoms

**Eye contact**: DMSO No specific data.

JC-1 No specific data.

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### **SECTION 4: First aid measures**

Inhalation : DMSO No specific data.

JC-1 No specific data.

**Skin contact**: DMSO No specific data.

JC-1 No specific data.

: DMSO No specific data.

: DMSO No specific data.

JC-1 No specific data.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician : DMSO Treat symptomatically. Contact poison treatment specialist

immediately if large quantities have been ingested or inhaled. In case of inhalation of decomposition products in a fire,

symptoms may be delayed. The exposed person may need

to be kept under medical surveillance for 48 hours.

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

5.1 Extinguishing media

substance or mixture

products

Ingestion

Suitable extinguishing : DMSO Use an extinguishing agent suitable for the surrounding fire.

Use an extinguishing agent suitable for the surrounding fire.

Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing : DMSO None known.

media JC-1 None known.

JC-1

JC-1

5.2 Special hazards arising from the substance or mixture

Hazards from the : DMSO In a fire or if heated, a pressure increase will occur and the

container may burst.

JC-1 No specific fire or explosion hazard.

**Hazardous combustion**: DMSO Decomposition products may include the following materials:

carbon dioxide carbon monoxide

sulfur oxides

JC-1 Decomposition products may include the following materials:

carbon dioxide carbon monoxide nitrogen oxides

halogenated compounds

5.3 Advice for firefighters

fire-fighters

fighters

**Special precautions for**: DMSO Promptly isolate the scene by removing all persons from the

vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the

vicinity of the incident if there is a fire. No action shall be

taken involving any personal risk or without suitable training.

**Special protective**: DMSO Fire-fighters should wear appropriate protective equipment equipment for fire- and self-contained breathing apparatus (SCBA) with a full

and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves)

conforming to European standard EN 469 will provide a

basic level of protection for chemical incidents.

JC-1 Fire-fighters should wear appropriate protective equipment

and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a

basic level of protection for chemical incidents.

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### SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: DMSO

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering.

Do not touch or walk through spilt material. Put on

appropriate personal protective equipment.

JC-1 No action shall be taken involving any personal risk or

without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering.

Do not touch or walk through spilt material. Put on

appropriate personal protective equipment.

For emergency responders

: DMSO

If specialised clothing is required to deal with the spillage. take note of any information in Section 8 on suitable and

unsuitable materials. See also the information in "For non-

emergency personnel".

JC-1 If specialised clothing is required to deal with the spillage,

take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-

emergency personnel".

6.2 Environmental precautions

: DMSO

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant

authorities if the product has caused environmental pollution

(sewers, waterways, soil or air).

JC-1

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution

(sewers, waterways, soil or air).

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : DMSO Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose

of via a licensed waste disposal contractor.

JC-1 Move containers from spill area. Vacuum or sweep up

material and place in a designated, labelled waste container.

Dispose of via a licensed waste disposal contractor.

6.4 Reference to other

sections

: See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

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

### 7.1 Precautions for safe handling

: DMSO **Protective measures** 

Put on appropriate personal protective equipment (see

Section 8).

JC-1

Put on appropriate personal protective equipment (see

Section 8).

Advice on general occupational hygiene : DMSO

JC-1

Eating, drinking and smoking should be prohibited in areas

where this material is handled, stored and processed. Workers should wash hands and face before eating,

drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas

where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also

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

Section 8 for additional information on hygiene measures.

### 7.2 Conditions for safe storage, including any incompatibilities

JC-1

Storage : DMSO

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials

before handling or use.

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials

before handling or use.

7.3 Specific end use(s)

**Recommendations**: DMSO Industrial applications, Professional applications.

Industrial applications, Professional applications.

Industrial sector specific: DMSONot available.solutionsJC-1Not available.

JC-1

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

### 8.1 Control parameters

#### Occupational exposure limits

No exposure limit value known.

### **Biological exposure indices**

No exposure indices known.

# Recommended monitoring procedures

: Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### **DNELs/DMELs**

Product/ingredient name	Type	Exposure	Value	Population	Effects
DMSO					
Dimethyl sulfoxide	DNEL	Long term Oral	1.67 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	3.13 mg/m <sup>3</sup>	General population	Local
	DNEL	Long term Inhalation	17.67 mg/ m³	Workers	Local
	DNEL	Long term Inhalation	56 mg/m³	General population	Systemic

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SECTION 8: Exposure controls/personal protection							
DNEL	Long term Inhalation	75 mg/m³	Workers	Systemic			
DNEL	Long term Dermal	178 mg/kg bw/day	General population	Systemic			
DNEL	Long term Dermal	356 mg/kg bw/day	Workers	Systemic			

#### **PNECs**

No PNECs available

### 8.2 Exposure controls

Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne

contaminants.

#### **Individual protection measures**

**Hygiene measures** 

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with sideshields.

#### **Skin protection**

**Hand protection** 

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Body protection** 

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### **SECTION 9: Physical and chemical properties**

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

#### 9.1 Information on basic physical and chemical properties

#### **Appearance**

Physical state : DMSO Liquid. [Hygroscopic.]

Odour : DMSO Sulphurous. [Slight]

JC-1 Not available.

Odour threshold : DMSO Not available.

JC-1 Not available.

Not available.

Melting point/freezing: DMSO18.5°CpointJC-1Not available.

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### SECTION 9: Physical and chemical properties

Initial boiling point and **DMSO** 189°C JC-1 Not available. boiling range

: DMSO **Flammability** Combustible liquid

JC-1 Not available.

**Upper/lower flammability** 

or explosive limits

: DMSO **Upper: 42%** 

JC-1 Not applicable.

Flash point : DMSO Closed cup: 87°C [ASTM D 93]

Open cup: 87°C Not applicable.

Lower: 2.6%

**Auto-ignition** : DMSO 215°C

JC-1

JC-1 Not applicable. temperature 140 to 189°C **Decomposition** : DMSO JC-1 Not available. temperature DMSO Not available. pH

JC-1 Not available.

: DMSO **Viscosity** Dynamic: -2.14 mPa·s

> JC-1 Not applicable.

Solubility(ies) Media **Result** 

> DMSO Soluble water

Partition coefficient: n-

octanol/water

: DMSO -1.35

JC-1 Not available.

Vapour pressure DMSO 0.059 kPa (0.4455366 mm Hg) [EU A.4]

: DMSO 0.026 (butyl acetate = 1) **Evaporation rate** 

Not available. JC-1

**Relative density** : DMSO 1.1

> JC-1 Not available. **DMSO** 2.7 [Air = 1]

Vapour density JC-1 Not applicable.

: DMSO Not available. JC-1 Not available.

: DMSO Not available. **Oxidising properties** JC-1 Not available.

**Particle characteristics** 

**Explosive properties** 

Median particle size : DMSO Not applicable. Not available. JC-1

#### 9.2 Other information

No additional information.

### **SECTION 10: Stability and reactivity**

: DMSO 10.1 Reactivity No specific test data related to reactivity available for this

product or its ingredients.

JC-1 No specific test data related to reactivity available for this

product or its ingredients.

10.2 Chemical stability : DMSO The product is stable.

> JC-1 The product is stable.

: DMSO 10.3 Possibility of Under normal conditions of storage and use, hazardous

hazardous reactions reactions will not occur.

> JC-1 Under normal conditions of storage and use, hazardous

> > reactions will not occur.

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### **SECTION 10: Stability and reactivity**

10.4 Conditions to avoid DMSO No specific data.

No specific data. JC-1

10.5 Incompatible : DMSO May react or be incompatible with oxidising materials. materials JC-1

May react or be incompatible with oxidising materials.

10.6 Hazardous : DMSO Under normal conditions of storage and use, hazardous

decomposition products should not be produced.

JC-1 Under normal conditions of storage and use, hazardous

decomposition products should not be produced.

### **SECTION 11: Toxicological information**

### 11.1 Information on toxicological effects

### **Acute toxicity**

decomposition products

Product/ingredient name	Result	Species	Dose	Exposure
DMSO	LD50 Dermal	Rat	40000 mg/kg	
Dimethyl sulfoxide	LD50 Oral	Rat	14500 mg/kg	

### **Acute toxicity estimates**

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
DMSO Dimethyl sulfoxide	14500	40000	N/A	N/A	N/A

### **Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
DMSO					
Dimethyl sulfoxide	Eyes - Mild irritant	Rabbit	-	100 mg	-
	Eyes - Mild irritant	Rabbit	-	24 hours 500	-
				mg	
	Skin - Mild irritant	Rabbit	-	100 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500	-
				mg	

### **Sensitiser**

**Conclusion/Summary** : Not available.

**Mutagenicity** 

**Conclusion/Summary** : Not available.

**Carcinogenicity** 

**Conclusion/Summary** : Not available.

**Reproductive toxicity** 

**Conclusion/Summary** : Not available.

**Teratogenicity** 

**Conclusion/Summary** : Not available. Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

### **Aspiration hazard**

Not available.

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### SECTION 11: Toxicological information

DMSO Information on likely Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

JC-1 Not available. routes of exposure

Potential acute health effects

Ingestion

Inhalation : DMSO No known significant effects or critical hazards.

> JC-1 No known significant effects or critical hazards. **DMSO** No known significant effects or critical hazards. JC-1 No known significant effects or critical hazards.

: DMSO No known significant effects or critical hazards. Skin contact

JC-1 No known significant effects or critical hazards. : DMSO No known significant effects or critical hazards.

**Eye contact** No known significant effects or critical hazards. JC-1

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation : DMSO No specific data.

JC-1 No specific data.

Ingestion DMSO No specific data. No specific data. JC-1

DMSO No specific data. Skin contact

No specific data. JC-1 : DMSO No specific data. **Eye contact** 

No specific data. JC-1

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Potential immediate

effects

Not available.

**Potential delayed** 

effects

: Not available.

Long term exposure

Potential immediate

effects

: Not available.

**Potential delayed** 

Not available.

effects

Potential chronic health effects

**Conclusion/Summary** : Not available.

DMSO No known significant effects or critical hazards. **General** 

No known significant effects or critical hazards. JC-1

: DMSO No known significant effects or critical hazards. Carcinogenicity JC-1 No known significant effects or critical hazards.

Mutagenicity : DMSO No known significant effects or critical hazards.

No known significant effects or critical hazards. JC-1 No known significant effects or critical hazards. : DMSO

Reproductive toxicity JC-1 No known significant effects or critical hazards.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

11.2.2 Other information

Not available.

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### **SECTION 12: Ecological information**

### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
<b>DMSO</b> Dimethyl sulfoxide	Acute LC50 25000 ppm Fresh water	Daphnia - <i>Daphnia magna</i> - Neonate	48 hours
	Acute LC50 34000000 µg/l Fresh water Chronic NOEC 100 ul/L Marine water Chronic NOEC 100 ul/L Fresh water	Fish - Pimephales promelas Algae - Ulva lactuca Daphnia - Daphnia magna - Juvenile (Fledgling, Hatchling, Weanling)	96 hours 72 hours 21 days

### 12.2 Persistence and degradability

Product/ingredient name	Test	Result		Dose		Inoculum
DMSO Dimethyl sulfoxide	OECD 301D Ready Biodegradability - Closed Bottle Test		t readily - 28 days	-		-
Product/ingredient name	Aquatic half-life		Photolysis		Biodeg	radability
DMSO Dimethyl sulfoxide	-		-		Not rea	dily

### 12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
DMSO			
Dimethyl sulfoxide	-1.35	3.16	Low

### 12.4 Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Mobility : Not available.

### 12.5 Results of PBT and vPvB assessment

Product/ingredient name	PBT	Р	В	Т	vPvB	vP	vB	
DMSO Dimethyl sulfoxide	No	N/A	No	No	No	N/A	No	
JC-1 1H-Benzimidazolium, 5,6-dichloro-2-[3- (5,6-dichloro-1,3-diethyl- 1,3-dihydro-2H-benzimidazol- 2-ylidene)-1-propen-1-yl] -1,3-diethyl-, iodide (1:1)	No	N/A	N/A	No	N/A	N/A	N/A	

### 12.6 Endocrine disrupting properties

Not available.

#### 12.7 Other adverse effects

No known significant effects or critical hazards.

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### **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

#### **Product**

Methods of disposal

: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste** 

: Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

**Packaging** 

**Methods of disposal** 

: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions** 

: This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

### **SECTION 14: Transport information**

	ADR/RID	IMDG	IATA
14.1 UN number or ID number	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No.	No.	No.

### **Additional information**

Remarks: De minimis quantities

14.6 Special precautions for user

: **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to IMO instruments

: Not available.

### **SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)

**Annex XIV - List of substances subject to authorisation** 

**Annex XIV** 

None of the components are listed.

Substances of very high concern

None of the components are listed.

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### **SECTION 15: Regulatory information**

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

No listed substance

Label : DMSO Not applicable. Not applicable.

JC-1

Other EU regulations

**Industrial emissions** : Listed

(integrated pollution prevention and control)

- Air

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

**Persistent Organic Pollutants** 

Not listed.

**Seveso Directive** 

This product is not controlled under the Seveso Directive.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

**Montreal Protocol** 

Not listed.

**Stockholm Convention on Persistent Organic Pollutants** 

Not listed.

**Rotterdam Convention on Prior Informed Consent (PIC)** 

Not listed.

**UNECE Aarhus Protocol on POPs and Heavy Metals** 

Not listed.

**Inventory list** 

**Australia** : Not determined. Canada Not determined. China : Not determined.

**Eurasian Economic** 

Union

: Russian Federation inventory: All components are listed or exempted.

: Japan inventory (CSCL): Not determined. **Japan** 

Japan inventory (ISHL): Not determined.

**New Zealand** Not determined. **Philippines** : Not determined. Republic of Korea Not determined.

**Taiwan** : All components are listed or exempted.

**Thailand** : Not determined. **Turkey** : Not determined. **United States** : Not determined. **Viet Nam** : Not determined.

15.2 Chemical safety

assessment

This product contains substances for which Chemical Safety Assessments might still

be required.

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MMP detection assay (96tests), Part Number 8931084

### **SECTION 16: Other information**

Indicates information that has changed from previously issued version.

**Abbreviations and** 

: ATE = Acute Toxicity Estimate

acronyms

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.

1272/2008]

DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement

N/A = Not available

PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number

vPvB = Very Persistent and Very Bioaccumulative

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Not classified.	

### Full text of abbreviated H statements

Not applicable.

### Full text of classifications [CLP/GHS]

Not applicable.

Date of issue/ Date of

: 18/04/2024

revision

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### **Notice to reader**

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