

# MSDS

Check-MDR ESBL (Catalog no. 14-0040);  
Check-MDR Carba (Catalog no. 14-0041)

## 1. Identification of the substance/preparation and the company/undertaking

Product name	Check-MDR ESBL; Check-MDR Carba
Supplier	Check-Points Health B.V. Binnenhaven 5 6709 PD Wageningen The Netherlands Tel: +31 317 453 908 Fax: +31 317 210 147 E-mail: info@check-points.com
Emergency telephone number	+31 317 453 908
E-mail address of person responsible for this SDS	info@check-points.com
Recommended use	Check-MDR ESBL is a rapid molecular assay for the detection of ESBL by real-time PCR.  Check-MDR Carba is a rapid molecular assay for the detection of carbapenemases by real-time PCR.
Remarks	A kit contains vials with ready-for-use reagents.

## 2. Hazards identification

This product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification	Not classified.
Human health hazards	Based on the available data of this product no hazardous properties are known.
Environmental hazards	Based on the available data of this product no hazardous properties are known.
Physical/chemical hazards	Based on the available data of this product no hazardous properties are known.

## 3. Composition/information on ingredients

**Substance/preparation**
**Preparation**

Ingredient name	CAS no.	%	EC no. *	Classification
Glycerol See section 16 for the full text of the R-phrases declared above	56-81-5	45-65	200-289-5	Not classified.

\*EC no. means EINECS or ELINCS number.

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

#### 4. First-aid measures

**Effects and symptoms**

Inhalation	There is no known acute effect after over-exposure to this product.
Ingestion	There is no known acute effect after over-exposure to this product.
Skin contact	There is no known acute effect after over-exposure to this product.
Eye contact	Irritating effects cannot be excluded.

**First-aid measures**

General	Move exposed person to fresh air.
Inhalation	If inhaled, remove to fresh air. Obtain medical attention if symptoms occur.
Ingestion	If swallowed, rinse mouth with water (only if the person is conscious). Obtain medical attention if symptoms occur.
Skin contact	Wash with soap and water. Remove contaminated clothing and shoes. Obtain medical attention if symptoms occur.
Eye contact	Rinse with plenty of running water. Obtain medical attention if symptoms occur.

**First aid facilities**

No special recommendations.

#### 5. Fire-fighting measures

**Extinguishing media**
**Small fire**

Suitable	Non-combustible. Use extinguishing media suitable for surrounding materials.
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**Large fire**

Suitable	Non-combustible. Use extinguishing media suitable for surrounding materials.
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**Unusual fire/explosion hazards**

No specific hazard.

Hazardous thermal decomposition products	No specific data.
Special fire-fighting procedures	No special measures required.
Protection of fire-fighters	Wear suitable protective clothing. Self-contained breathing apparatus.

## 6. Accidental release measures

Personal precautions	Use suitable protective equipment (section 8).
Environmental precautions	Prevent entry into sewers, basements or confined areas. Dyke if necessary.
Clean-up Methods	
Small spill and leak	Take up with suitable material. Place in a suitable container. Clean up affected area with large amount of water.
Large spill and leak	Absorb spill with inert material (e.g. dry sand or earth) and place in a chemical waste container. Recycle, if possible. Clean up affected area with a large amount of water.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

## 7. Handling and storage

Handling	Use with adequate ventilation.
Storage	No special measures required.
Storage temperature	Store between the following temperatures: -30°C and -20°C.

Note: See section 10 for stability and reactivity.

## 8. Exposure controls/personal protection

### Occupational exposure limits

Ingredient name	Occupational exposure limits
United Kingdom	
glycerol	EH40/2005 WELs (United Kingdom (UK), 8/2007). TWA: 10 mg/m <sup>3</sup> 8 hour(s). Form: Mist

Engineering measures                      None required. However, use of adequate ventilation is good industrial

practice.

#### Hygiene measures

When using, do not eat, drink or smoke. Wash hands after handling compounds and before eating, smoking and using the lavatory and at the end of the day.

#### Personal protective equipment – Production scale

Respiratory system	No special protection is required. In case of insufficient ventilation, wear suitable respiratory equipment.
Skin and body	Working clothes.
Eyes	Safety glasses with side shields.
Hands	Wear suitable gloves.

Advice on personal protection is applicable for high exposure levels. Select proper personal protection based on a risk assessment of the actual exposure situation.

### 9. Physical and chemical properties

Physical state	Liquid. [The test consists of vials filled with various solutions.]
Color	Solution P vial (Product code 9-0051 for Check-MDR ESBL and 9-0052 for Check-MDR Carba) contains a blue solution. Solutions in remaining vials are colorless.
Odor	Odorless.
Flash point	Not applicable.
Lower explosion limit	Not applicable.
Upper explosion limit	Not applicable.
Density (g/cm <sup>3</sup> )	Not available.
Remarks	More detailed information on the physical and chemical properties can be requested from the supplier.

### 10. Stability and reactivity

Stability	Stable under recommended storage and handling conditions (see section 7).
Conditions to avoid	No special recommendations.
Materials to avoid	No special recommendations.

### 11. Toxicological information

**Potential acute health effects**

Inhalation	No known significant effects or critical hazards.
Ingestion	No known significant effects or critical hazards.
Skin contact	No known significant effects or critical hazards.
Eye contact	No known significant effects or critical hazards.

**Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
glycerol	LD50 Oral	Rat	12600 mg/kg	-
	LD50 Oral	Rabbit	27 g/kg	-
	LD50 Oral	Mouse	4090 mg/kg	-

**Potential chronic health effects**

Chronic effects	No known significant effects or critical hazards.
Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards.
Fertility effects	No known significant effects or critical hazards.

Chronic toxicity	No specific data.
Carcinogenicity	No specific data.
Mutagenicity	No specific data.
Teratogenicity	No specific data.
Reproductive toxicity	No specific data.

## 12. Ecological information

Environmental effects	No known significant effects or critical hazards.
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**Aquatic ecotoxicity**

Product/ingredient name	Result	Species	Exposure	Effects	Test
Glycerol	Acute LC50 54 ml/L Fresh water	Fish – Rainbow trout, Donaldson trout – <i>Oncorhynchus mykiss</i>	96 hours	Mortality	-

**Persistence/degradability**

Product/ingredient name	LogPow	BCF	Potential
Glycerol	-1.76	-	low

Other adverse effects

No known significant effects or critical hazards.

AOX

The product contains organically bound halogens and can contribute to the AOX (Adsorbable Organically bound Halogens) value in waste water.

### 13. Disposal considerations

Methods of disposal (waste of residues; contaminated packaging)

Waste must be disposed of in accordance with national and local environmental regulations.

### 14. Transport information

International transport regulations

Regulatory information	UN number	Proper shipping name	Class	PG*	Label	Additional information
ADR/RID Class	Not regulated.	-	-	-	-	-
ADNR Class	Not regulated.	-	-	-	-	-
IMDG Class	Not regulated.	-	-	-	-	-
IATA Class	Not regulated.	-	-	-	-	-

PG\* = Packaging group

Attention, please read EMS notations like \_E-S\_ or \_F-D\_ as E-S or F-D

### 15. Regulatory information

EU regulations

Risk phrases

According to the EU Directives 67/548/EEC and 1999/45/EC this product does not require labeling with symbols and/or R-phrases.

Additional warning phrases

Not applicable.

### 16. Other information

Internal code

SDSMDR2016070703

History

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Notice to reader

The statements in this Safety Data Sheet were made to the best of our knowledge and are as accurate as possible.

They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

The user is responsible for ensuring that appropriate precautions are taken and for satisfying themselves that the data are suitable and sufficient for the product's intended purpose. In case of any uncertainty we advise consulting the supplier or an expert.

Training advice

Before handling this substance/preparation, the personnel involved should be instructed by means of this safety data sheet.