

**SAFETY DATA SHEET**

according to Regulation (EC) No. 1907/2006

Version 8.0

Revision Date 15.07.2021

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GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifiers**

Product name : Glucose Oxidase Activity Assay Kit

Product Number : MAK097

Brand : Sigma

REACH No. : This product is a mixture. REACH Registration Number see section 3.

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

Identified uses : Laboratory chemicals, Manufacture of substances

**1.3 Details of the supplier of the safety data sheet**

Company : Sigma-Aldrich Pte Ltd  
(Co. Registration No. 199403788W)  
2 Science Park Drive  
#05-01/12 Ascent Building  
SINGAPORE 118222  
SINGAPORE

Telephone : +65 6890 6633

Fax : +65 6890 6639

E-mail address : TechnicalService@merckgroup.com

**1.4 Emergency telephone**

Emergency Phone # : 1-800-262-8200

This is a summary MSDS for a kit. For the full MSDS for each of the components listed in section 16 please visit our website.

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

Respiratory sensitization (Category 1), H334

Skin sensitization (Category 1), H317

Long-term (chronic) aquatic hazard (Category 3), H412

For the full text of the H-Statements mentioned in this Section, see Section 16.

**2.2 Label elements****Labelling according Regulation (EC) No 1272/2008**

Pictogram



Signal word

Danger

Hazard statement(s)

H317

May cause an allergic skin reaction.

H334

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H412

Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

P261

Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

P272

Contaminated work clothing should not be allowed out of the workplace.

P273

Avoid release to the environment.

P280

Wear protective gloves.

P302 + P352

IF ON SKIN: Wash with plenty of water.

P304 + P340 + P312

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.

Supplemental Hazard Statements

none

### Reduced Labeling (<= 125 ml)

Pictogram



Signal word

Danger

Hazard statement(s)

H334

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317

May cause an allergic skin reaction.

H412

Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

P261

Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

P272

Contaminated work clothing should not be allowed out of the workplace.

P280

Wear protective gloves.

P302 + P352

IF ON SKIN: Wash with plenty of water.

P304 + P340 + P312

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.

Supplemental Hazard Statements

none

## 2.3 Other hazards - none

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## SECTION 3: Composition/information on ingredients

Refer to component MSDS

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## SECTION 4: First aid measures

Refer to component MSDS



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## **SECTION 5: Firefighting measures**

Refer to component MSDS

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## **SECTION 6: Accidental release measures**

Refer to component MSDS

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

### **7.1 Precautions for safe handling**

#### **Advice on safe handling**

Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.

#### **Advice on protection against fire and explosion**

Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.

#### **Hygiene measures**

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

For precautions see section 2.2.

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

#### **Storage conditions**

Keep container tightly closed in a dry and well-ventilated place. Store in cool place. Tightly closed. Keep locked up or in an area accessible only to qualified or authorized persons.

#### **Storage stability**

Recommended storage temperature  
-20 °C

### **7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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

Refer to component MSDS

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

Refer to component MSDS

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

Refer to component MSDS

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## **SECTION 11: Toxicological information**

Refer to component MSDS



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**SECTION 12: Ecological information**

Refer to component MSDS

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**SECTION 13: Disposal considerations**

Refer to component MSDS

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**SECTION 14: Transport information****14.1 UN number**

ADR/RID: -

IMDG: -

IATA: -

**14.2 UN proper shipping name**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

**14.3 Transport hazard class(es)**

ADR/RID: -

IMDG: -

IATA: -

**14.4 Packaging group**

ADR/RID: -

IMDG: -

IATA: -

**14.5 Environmental hazards**

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

**14.6 Special precautions for user**

No data available

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**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Refer to component MSDS

**15.2 Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out

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**SECTION 16: Other information****Kit Components:**

GOx Assay Buffer

Sigma

MAK097A

Aquatic Chronic 3; H412

FLUORESCENT

Sigma

MAK097B

PEROXIDASE

SUBSTRATE

GOx Substrate

Sigma

MAK097C

GOx Developer

Sigma

MAK097D

Resp. Sens. 1; Skin Sens. 1;  
H317, H334

Gox Positive Control

Sigma

MAK097E

Resp. Sens. 1; H334

H2O2 Standard, 0.88 M

Sigma

MAK097F



**Further information**

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## Kit Components:

GOx Assay Buffer					
Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - MAK097A			Harmful to aquatic life with long lasting effects.	Avoid release to the environment.	

FLUORESCENT PEROXIDASE SUBSTRATE					
Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - MAK097B					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.


GOx Substrate					
Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - MAK097C					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

GOx Developer					
Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - MAK097D		Danger	May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. IF ON SKIN: Wash with plenty of water. Contaminated work clothing should not be allowed out of the workplace. If skin irritation or rash occurs: Get medical	



				advice/ attention. Wear protective gloves. Wear respiratory protection.	
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#### Gox Positive Control

Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - MAK097E		Danger	May cause allergy or asthma symptoms or breathing difficulties if inhaled.	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Dispose of contents/ container to an approved waste disposal plant. Wear respiratory protection.	

#### H2O2 Standard, 0.88 M

Product identifier	Pictogram	Signal word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - MAK097F					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

