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SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Version 6.1 Revision Date 13.05.2019 Print Date 02.03.2022 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	:	a-Ketoglutarate Assay Kit
	Product Number Brand REACH No.	:	MAK054 Sigma A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.
1.2	Relevant identified us	es	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
Fax	:	+65 6890 6633 +65 6890 6639 TechnicalService@merckgroup.com

1.4 Emergency telephone number

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

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.2 Label elements

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.3 Other hazards - none

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SECTION 3: Composition/information on ingredients

Refer to component MSDS

SECTION 4: First aid measures

Refer to component MSDS

SECTION 5: Firefighting measures

Refer to component MSDS

SECTION 6: Accidental release measures

Refer to component MSDS

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** For precautions see section 2.2.
- **7.2** Conditions for safe storage, including any incompatibilities Keep container tightly closed in a dry and well-ventilated place. Store in cool place.

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

SECTION 8: Exposure controls/personal protection

Refer to component MSDS

SECTION 9: Physical and chemical properties

Refer to component MSDS

SECTION 10: Stability and reactivity

Refer to component MSDS

SECTION 11: Toxicological information

Refer to component MSDS

SECTION 12: Ecological information

Refer to component MSDS

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SECTION 13: Disposal considerations

Refer to component MSDS

SECTION 14: Transport informa	ition	
14.1 UN number ADR/RID: -	IMDG: -	IATA: -
14.2 UN proper shipping name ADR/RID:ADR/RID:IMDG:IMDG:IATA:Not dangerous go	ods	
14.3 Transport hazard class(es ADR/RID: -	S) 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 us No data available	er	

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety datasheet 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

SECTION 16: Other information

Kit Components:

Kit components.		
a-KG Assay Buffer	Sigma	MAK054A
Fluorescent Peroxidase	Sigma	MAK054B
Substrate		
a-KG Converting Enzyme		
a-KG Development	Sigma	MAK054D
Enzyme		
a-KG Standard	Sigma	MAK054E

Further information

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information in the document regarding the product remains unchanged and matches the product ordered. For further information please contact mlsbranding@sial.com.

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Kit Components:

a-KG Assay Buffer						
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental	
identifier		word	statements	statements	information	
Sigma -					Not a hazardous	
MAK054A					substance or	
					mixture.	

Fluorescent Peroxidase Substrate						
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information	
Sigma - MAK054B					Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.	

a-KG Conver	a-KG Converting Enzyme						
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental		
identifier		word	statements	statements	information		
					Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.		

a-KG Development Enzyme						
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information	
Sigma - MAK054D					Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.	

α-KG Standard						
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information	
Sigma - MAK054E					Not a hazardous substance or mixture according to Regulation (EC)	

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		No. 1272/2008.

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