

Sucrose/D-Glucose Assay Kit

Kit Safety Information Sheet

Date of issue: 04/06/2013

Revision date: 09/01/2018

Supersedes: 20/03/2017

Version: 1.4

SECTION 1: Kit identification 1.1. Kit identifier	
Product name Product code	: Sucrose/D-Glucose Assay Kit : K-SUCGL
1.2. Details of the supplier of the KIT saf	fety information sheet
Megazyme Bray Business Park A98 YV29 Bray - Ireland T +353 12861220 - F +353 12861264 <u>cs@megazyme.com</u> - <u>www.megazyme.com</u>	

SECTION 2: General information

This product is a Kit which consists of several independently packaged components

This Kit should be handled in accordance with good laboratory practices and appropriate personal protective equipment should be used

SECTION 3: Kit contents

Name	General description	Quantity	Unit	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sucrose/D-Glucose Assay Kit (Bottle 3)	Reagent	1	pcs (pieces)	Skin Corr. 1B, H314
Sucrose/D-Glucose Assay Kit (Bottle 4)	Reagent	1	pcs (pieces)	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334

No substance or mixture included in the following Kit components is hazardous according to Regulation (EC) No. 1272/2008 [CLP] and therefore the requirements of Regulation (EU) 2015/830 do not apply

Name	General description	Quantity	Unit
Sucrose/D-Glucose Assay Kit (Bottle 1)	Buffer	1	pcs (pieces)
Sucrose/D-Glucose Assay Kit (Bottle 2)	Reagent	1	pcs (pieces)
Sucrose/D-Glucose Assay Kit (Bottle 5)	Reagent	1	pcs (pieces)
Sucrose/D-Glucose Assay Kit (Bottle 6)	Reagent	1	pcs (pieces)

SECTION 4: General advice

No data available

SECTION 5: Safe handling advice	
Environmental precautions	: Avoid release to the environment
Storage conditions	: Store in a well-ventilated place. Keep cool.
Precautions for safe handling	: Ensure good ventilation of the work station Wear personal protective equipment
SECTION 6: First aid measures	
First-aid measures after eye contact	: Rinse eyes with water as a precaution
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water
Other medical advice or treatment	: Treat symptomatically

Sucrose/D-Glucose Assay Kit

Kit Safety Information Sheet

SECTION 7: Fire fighting measures	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment Self-contained breathing apparatus Complete protective clothing
Hazardous decomposition products in case of fire	: Toxic fumes may be released
SECTION 8: Other information	

No data available



Safety Data Sheet

according to Regulation (EU) 2015/830

Megazyme	Date of issue: 04/06/2013	Revision date: 09/01/2018	Supersedes: 20/03/2017	Version: 1.4
SECTION 1: Identification of	of the substance/mixtu	re and of the company	/undertaking	
1.1. Product identifier				
Product form	: Mixture			
Product name	: Sucrose/D-GI	ucose Assay Kit (Bottle 6)		
Product code	: K-SUCGL (Bo	ottle 6)		
1.2. Relevant identified uses	of the substance or mixture	and uses advised against		
1.2.1. Relevant identified uses				
Industrial/Professional use spec	: For profession	nal use only		
Use of the substance/mixture	: Use as labora	tory reagent		
1.2.2. Uses advised against				
No additional information available				
1.3. Details of the supplier of	f the safety data sheet			
Megazyme Bray Business Park A98 YV29 Bray - Ireland T +353 12861220 - F +353 1286126 cs@megazyme.com - www.megazy				
1.4. Emergency telephone nu	umber			
Emergency number	: +353 128612	20 [9 am to 5 pm GMT - Monda	ay to Friday]	
SECTION 2: Hazards identi	fication			
2.1. Classification of the sub	stance or mixture			
Not classified Adverse physicochemical, human To our knowledge, this product does practice.			ordance with good occupation	al hygiene and safety
2.2. Label elements				
Labelling according to Regulation No labelling applicable Labelling according to: exemption No labelling required		the contents do not exceed	10ml	
2.3. Other hazards				
No additional information available				
SECTION 3: Composition/i	nformation on ingredie	nts		
3.1. Substances				
Not applicable				
3.2. Mixtures				
This mixture does not contain any su	ubstances to be mentioned ac	cording to the criteria of section	n 3.2 of REACH annex II	
SECTION 4: First aid measure	ures			

SECTION 4. First alu measures	
4.1. Description of first aid measures	
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and eff	ects, both acute and delayed
No additional information available	

Safety Data Sheet

according to Regulation (EU) 2015/830

	,				
4.3. Indication of	any immediate medical	attention and special t	reatment needed		
Treat symptomatically.					
SECTION 5: Firefi	ghting measures				
5.1. Extinguishin	g media				
Suitable extinguishing n	nedia	: Water spray. Dry pow	der. Foam.		
5.2. Special haza	rds arising from the sul	ostance or mixture			
Hazardous decompositi fire	on products in case of	: Toxic fumes may be r	eleased.		
5.3. Advice for fir	refighters				
Protection during firefig	hting	: Do not attempt to take apparatus. Complete		protective equipment. Self	f-contained breathing
SECTION 6: Accid	dental release meas	sures			
6.1. Personal pre	cautions, protective eq	uipment and emergency	v procedures		
6.1.1. For non-eme	ergency personnel				
Emergency procedures		: Ventilate spillage area	а.		
6.1.2. For emergen	cy responders				
Protective equipment			e action without suitable p posure controls/personal	protective equipment. For protection".	further information
6.2. Environment	tal precautions				
Avoid release to the env	vironment.				
6.3. Methods and	I material for containme	ent and cleaning up			
Methods for cleaning up	0	: Mechanically recover	the product.		
Other information		: Dispose of materials	or solid residues at an au	thorized site.	
6.4. Reference to For further information r	other sections refer to section 13.				
SECTION 7: Hand	lling and storage				
	for safe handling				
Precautions for safe ha	ndling	: Ensure good ventilation	on of the work station. We	ear personal protective ec	quipment.
Hygiene measures		: Do not eat, drink or si product.	moke when using this pro	oduct. Always wash hands	after handling the
7.2. Conditions f	or safe storage, includir	ng any incompatibilities			
Storage conditions		: Store in a well-ventila	ted place. Keep cool.		
7.3. Specific end	use(s)				
No additional information	on available				
SECTION 8: Expo	sure controls/pers	onal protection			
8.1. Control para					
No additional informatic	on available				
8.2. Exposure co					
Appropriate engineeri	0				
Ensure good ventilation	oi the work station.				
Hand protection:					
Protective gloves	Material	Damaartia		Demotration	Otom do at
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	3 (> 60 minutes)		2 (< 1.5)	EN 374-2

Eye protection:

Safety glasses

Туре	Use	Characteristics	Standard
Safety glasses	Dust	With side shields	EN 166

Safety Data Sheet

according to Regulation (EU) 2015/830

Skin and body protection:

Wear suitable protective clothing

Туре	Standard
Lab coat	

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Device	Filter type	Condition	Standard
Dust mask	Туре Р1	Protection for Solid particles	EN 143, EN 149



Environmental exposure controls:

Avoid release to the environment.

1. Information on basic physical and circular properties thysical state : Solid bolour : No data available bodour threshold : No data available H : No data available belative evaporation rate (butylacetate=1) : No data available telative foundit : No data available telative foundit : No data available telative vapour density at 20 °C : No data available telative vapour density at 20 °C : No data available telative vapour density (dynamic : No data available	SECTION 9: Physical and chemical	properties
volumeNo data availablebdour:No data availablebdour threshold:No data availableH:No data availablebelative evaporation rate (butylacetate=1):No data availablereezing point:No data availableboling point:No data availablecolling point:No data availableboling point:No data availablecolling point:No data availableboling point:No data availablecolling point:No tapplicableboling point:No tapplicablecolling point:No data availableleacmposition temperature:No data availableleacmposition temperature:No data availableleacmposition temperature:No data availableleative density at 20 °C:No data availableleative density:No data availableleative density:No tapplicableloolubility:Soluble in water.og Pow:No data availableiscosity, dynamic:No data availablekidising properties:No data availablekidising properties	Ē	
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kelative density : Not applicable kolubility : Soluble in water. og Pow : No data available riscosity, kinematic : Not applicable riscosity, dynamic : Not applicable riscosity, dynamic : Not data available riscosity properties : Not data available riscosity properties : Not data available riscosity imits : Not applicable	Vapour pressure	: No data available
iolubility : Soluble in water. og Pow : No data available /iscosity, kinematic : Not applicable /iscosity, dynamic : No data available /iscosity properties : No data available /ixplosive properties : No data available /ixplosive limits : No data available /ixplosive limits : Not applicable .2. Other information	Relative vapour density at 20 °C	: No data available
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interview interview interview	Viscosity, kinematic	: Not applicable
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xplosive limits : Not applicable .2. Other information	Explosive properties	: No data available
.2. Other information	Oxidising properties	: No data available
	Explosive limits	: Not applicable
a additional information available	9.2. Other information	
	No additional information available	
SECTION 10: Stability and reactivity	SECTION 10: Stability and reactivit	tv

10.1.	Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

Safety Data Sheet

according to Regulation (EU) 2015/830

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological inform	nation
11.1. Information on toxicological effe	cts
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified
12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessmen	t
No additional information available	
12.6. Other adverse effects	
No additional information available	
SECTION 13: Disposal consideration	S
13.1. Waste treatment methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IATA / AD	N
ADR	ΙΑΤΑ
14.1. UN number	
Not applicable	Not applicable
14.2. UN proper shipping name	
Not applicable	Not applicable

Safety Data Sheet

according to Regulation (EU) 2015/830

ADR	ΙΑΤΑ		
	No supplementary information available		
14.6.	Special precautions for user		
- Overla	and transport		
Not app	licable		
- Air tra	insport		
Not app	licable		
14.7.	Transport in bulk according to Annex II of Marpol and the IBC Code		
Not app	licable		
SECT	ION 15: Regulatory information		
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture		
15.1.1.	EU-Regulations		
Contain	is no REACH substances with Annex XVII restrictions		
Contain	is no substance on the REACH candidate list		
Contain	Contains no REACH Annex XIV substances		

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.



Safety Data Sheet

according to Regulation (EU) 2015/830 Revision date: 09/01/2018

Me	gazyme	according to Regulation (EU) 2 Date of issue: 04/06/2013	2015/830 Revision date: 09/01/2018	Supersedes: 20/03/2017	Version: 1.4
SECT	ION 1: Identification of	of the substance/mixtur		•	
1.1.	Product identifier			undertaking	
Product		: Mixture			
Product	name	: Sucrose/D-Glu	ucose Assay Kit (Bottle 5)		
Product	code	: K-SUCGL (Bo			
1.2.	Relevant identified uses	of the substance or mixture	and uses advised against		
1.2.1.	Relevant identified uses	i			
Industria	al/Professional use spec	: For profession	al use only		
Use of t	he substance/mixture	: Use as labora	tory reagent		
1.2.2.	Uses advised against				
No addi	tional information available				
1.3.	Details of the supplier of	f the safety data sheet			
A98 YV T +353	me siness Park 29 Bray - Ireland 12861220 - F +353 1286126 gazyme.com - <u>www.megazy</u>				
1.4.	Emergency telephone n	umber			
Emerge	ncy number	: +353 1286122	0 [9 am to 5 pm GMT - Monda	ay to Friday]	
SECT	ION 2: Hazards identi	fication			
2.1.	Classification of the sub				
Not clas	e physicochemical, humar cnowledge, this product does	ation (EC) No. 1272/2008 [CL n health and environmental e s not present any particular risk	ffects	ordance with good occupatior	al hygiene and safety
2.2.	Label elements				
		n (EC) No. 1272/2008 [CLP]			
	lling applicable	(CC) NO. 12/2/2006 [CLP]			
	• • • •	n for inner packaging where	the contents do not exceed	10ml	
		in for inner packaging where	the contents do not exceed		
No labe	lling required				
2.3.	Other hazards				
	tional information available				
OFOT					
		nformation on ingredie	nts		
3.1. Not app	Substances				
Νοι αρρ	licable				
3.2.	Mixtures				
This mix	cture does not contain any s	ubstances to be mentioned acc	ording to the criteria of section	n 3.2 of REACH annex II	
SECT	ION 4: First aid meas	ures			

4.1. Description of first aid measures	
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and effe	ects, both acute and delayed
No additional information available	

Safety Data Sheet

according to Regulation (EU) 2015/830

4.3. Indication of any immediate med	ical attention and special treatment needed
Treat symptomatically.	
SECTION 5: Firefighting measures	5
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
5.2. Special hazards arising from the	substance or mixture
Hazardous decomposition products in case of fire	f : Toxic fumes may be released.
5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTION 6: Accidental release me	easures
6.1. Personal precautions, protective	equipment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Ventilate spillage area.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for contain	ment and cleaning up
Methods for cleaning up	: Take up liquid spill into absorbent material.
Other information	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	
For further information refer to section 13.	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, inclu	iding any incompatibilities
Storage conditions	: Store in a well-ventilated place. Keep cool.
7.3. Specific end use(s)	
No additional information available	
SECTION 8: Exposure controls/pe	rsonal protection
8.1. Control parameters	
No additional information available	
8.2. Exposure controls	
Appropriate engineering controls:	
Ensure good ventilation of the work station.	
-	
Hand protection:	
Protective aloves	

Protective gloves

Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	3 (> 60 minutes)		2 (< 1.5)	EN 374-2

Eye protection:

Safety glasses

Туре	Use	Characteristics	Standard
Safety glasses	Droplet	With side shields	EN 166

Safety Data Sheet

according to Regulation (EU) 2015/830

Skin and body protection:

Wear suitable protective clothing

Туре	Standard
Lab coat	

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Device	Filter type	Condition	Standard
Dust mask	Туре Р1	Protection for Liquid particles	EN 143, EN 149



Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemica	I properties
9.1. Information on basic physical and	
Physical state	: Liquid
Colour	: No data available
Odour	: None.
Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Soluble in water.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	:
9.2. Other information	
No additional information available	
SECTION 10: Stability and reactivi	tv
40.4 Depetivity	

10.1	Rea	ctiv	ity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

Safety Data Sheet

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10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological inform	nation
11.1. Information on toxicological effe	cts
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological informatio	n
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified
12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessm	ent
No additional information available	
12.6. Other adverse effects	
No additional information available	
SECTION 13: Disposal consideration	ns
13.1. Waste treatment methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IATA /	ADN
ADR	ΙΑΤΑ
14.1. UN number	
Not applicable	Not applicable
14.2. UN proper shipping name Not applicable	Not applicable
14.3. Transport hazard class(es)	
Net emplicable	Netewalizable

Not applicable

Not applicable

Not applicable

Not applicable

Not applicable **14.5.** Envi

Packing group

Environmental hazards

14.4.

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ADR	ΙΑΤΑ			
	No supplementary information available			
14.6.	Special precautions for user			
- Overla	and transport			
Not app				
- Air tra	nsport			
Not app				
14.7.	Transport in bulk according to Annex II of Marpol and the IBC Code			
Not app	· · · ·			
	ION 15: Regulatory information			
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture			
15.1.1.	EU-Regulations			
Contain	Contains no REACH substances with Annex XVII restrictions			
Contains no substance on the REACH candidate list				
Contain	Contains no REACH Annex XIV substances			

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.



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according to Regulation (EU) 2015/830 Date of issue: 04/06/2013 Revisi

SECTION 1: Identification o	
	of the substance/mixture and of the company/undertaking
.1. Product identifier	
Product form	: Mixture
roduct name	: Sucrose/D-Glucose Assay Kit (Bottle 4)
roduct code	: K-SUCGL (Bottle 4)
.2. Relevant identified uses	of the substance or mixture and uses advised against
.2.1. Relevant identified uses	
ndustrial/Professional use spec	: For professional use only
se of the substance/mixture	: Use as laboratory reagent
.2.2. Uses advised against	
lo additional information available	
.3. Details of the supplier of	f the safety data sheet
Megazyme Bray Business Park	
3ray Business Park \98 YV29 Bray - Ireland	
F +353 12861220 - F +353 12861264	
s@megazyme.com - www.megazyr	<u>me.com</u>
.4. Emergency telephone nu	umber
mergency number	: +353 12861220 [9 am to 5 pm GMT - Monday to Friday]
SECTION 2: Hazards identif	fication
.1. Classification of the subs	stance or mixture
Classification according to Regula	ation (EC) No. 1272/2008 [CLP]
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Ca	Category H319
Construction Cotogon (1	4 1/224
Respiratory sensitisation, Category 1	1 H334
Full text of H statements : see section	את 16
Full text of H statements : see section	on 16
	n health and environmental effects
dverse physicochemical, human	
Adverse physicochemical, human Causes skin irritation. Causes seriou	n health and environmental effects
Adverse physicochemical, human Causes skin irritation. Causes seriou 2.2. Label elements	n health and environmental effects us eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Adverse physicochemical, human Causes skin irritation. Causes seriou 2.2. Label elements Labelling according to Regulation	n health and environmental effects us eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Adverse physicochemical, human Causes skin irritation. Causes seriou 2.2. Label elements Labelling according to Regulation	n health and environmental effects us eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Adverse physicochemical, human Causes skin irritation. Causes seriou 2.2. Label elements abelling according to Regulation	n health and environmental effects us eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Adverse physicochemical, human Causes skin irritation. Causes seriou .2. Label elements .abelling according to Regulation	n health and environmental effects us eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
dverse physicochemical, human auses skin irritation. Causes seriou .2. Label elements abelling according to Regulation	n health and environmental effects us eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Adverse physicochemical, human Causes skin irritation. Causes seriou .2. Label elements abelling according to Regulation lazard pictograms (CLP)	b health and environmental effects us eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
dverse physicochemical, human causes skin irritation. Causes seriou .2. Label elements abelling according to Regulation lazard pictograms (CLP) ignal word (CLP)	h health and environmental effects us eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. (EC) No. 1272/2008 [CLP] : : : : : : : : : : : : : : : : : : :
Adverse physicochemical, human Causes skin irritation. Causes seriou .2. Label elements abelling according to Regulation lazard pictograms (CLP) signal word (CLP) lazardous ingredients	 health and environmental effects us eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. (EC) No. 1272/2008 [CLP] GEC) No. 1272/2008 [CLP] GHS08 HS08 Danger HORSERADISH PEROXIDASE; GLUCOSE OXIDASE
Adverse physicochemical, human Causes skin irritation. Causes seriou .2. Label elements Abelling according to Regulation Hazard pictograms (CLP)	 health and environmental effects us eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. (EC) No. 1272/2008 [CLP] i i i i i i i i i i i i i i i i i i i
Adverse physicochemical, human Causes skin irritation. Causes seriou 2.2. Label elements Cabelling according to Regulation dazard pictograms (CLP) Signal word (CLP) dazardous ingredients dazard statements (CLP)	 health and environmental effects us eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. (EC) No. 1272/2008 [CLP] i Construction i Danger HORSERADISH PEROXIDASE; GLUCOSE OXIDASE H315 - Causes skin irritation. H319 - Causes serious eye irritation H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Adverse physicochemical, human Causes skin irritation. Causes seriou 2.2. Label elements Cabelling according to Regulation dazard pictograms (CLP) Signal word (CLP) dazardous ingredients dazard statements (CLP)	 a health and environmental effects us eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. c (CC) No. 1272/2008 [CLP] i volume of the symptome of th
Adverse physicochemical, human Causes skin irritation. Causes seriou 2.2. Label elements Labelling according to Regulation Hazard pictograms (CLP) Signal word (CLP) Hazardous ingredients Hazard statements (CLP)	 health and environmental effects us eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. (EC) No. 1272/2008 [CLP] i <li< td=""></li<>
Adverse physicochemical, human Causes skin irritation. Causes seriou 2.2. Label elements Labelling according to Regulation Hazard pictograms (CLP) Signal word (CLP) Hazardous ingredients Hazard statements (CLP)	 a health and environmental effects us eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. a (EC) No. 1272/2008 [CLP] i i i i i i i i i i i i i i i i i i i
Causes skin irritation. Causes seriou	 a health and environmental effects us eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. a (EC) No. 1272/2008 [CLP] i i i i i i i i i i i i i i i i i i i
Adverse physicochemical, human Causes skin irritation. Causes seriou 2.2. Label elements Labelling according to Regulation Hazard pictograms (CLP) Signal word (CLP) Hazardous ingredients Hazard statements (CLP)	 a health and environmental effects us eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. a (EC) No. 1272/2008 [CLP] i i i i i i i i i i i i i i i i i i i
Adverse physicochemical, human Causes skin irritation. Causes seriou .2. Label elements abelling according to Regulation lazard pictograms (CLP) Signal word (CLP) lazardous ingredients lazard statements (CLP)	 a health and environmental effects us eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. a (EC) No. 1272/2008 [CLP] i i i i i i i i i i i i i i i i i i i
Adverse physicochemical, human Causes skin irritation. Causes seriou .2. Label elements abelling according to Regulation lazard pictograms (CLP) signal word (CLP) lazardous ingredients lazard statements (CLP)	 a health and environmental effects us eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. a (EC) No. 1272/2008 [CLP] i i i i i i i i i i i i i i i i i i i
Adverse physicochemical, human Causes skin irritation. Causes seriou .2. Label elements abelling according to Regulation lazard pictograms (CLP) Signal word (CLP) lazardous ingredients lazard statements (CLP)	 a health and environmental effects us eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. a (EC) No. 1272/2008 [CLP] i i i i i i i i i i i i i i i i i i i

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Labelling according to: exemption for inner packaging where the contents do not exceed 10ml





Hazardous ingredients

: HORSERADISH PEROXIDASE; GLUCOSE OXIDASE

2.3. Other hazards

No additional information available

	ION 3: Composition/information on in	gredients		
3.1.	Substances			
Not app	licable			
3.2.	Mixtures			
		Due de statue differe	0/	

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
GLUCOSE OXIDASE	(CAS-No.) 9001-37-0 (EC-No.) 232-601-0	10 - 20	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Resp. Sens. 1, H334
4-Aminoantipyrine	(CAS-No.) 83-07-8 (EC-No.) 201-452-3	10 - 20	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
HORSERADISH PEROXIDASE	(CAS-No.) 9003-99-0 (EC-No.) 232-668-6	1 - 5	Resp. Sens. 1, H334

Full text of H-statements: see section 16

SECTION 4: First aid measures			
4.1. Description of first aid measures			
First-aid measures general	: Call a poison center or a doctor if you feel unwell.		
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.		
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.		
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy do. Continue rinsing. If eye irritation persists: Get medical advice/attention.			
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.			
4.2. Most important symptoms and effe	ects, both acute and delayed		
Symptoms/effects after inhalation : May cause allergy or asthma symptoms or breathing difficulties if inhaled.			
Symptoms/effects after skin contact : Irritation.			
Symptoms/effects after eye contact	: Eye irritation.		
4.3. Indication of any immediate medic	al attention and special treatment needed		

Treat symptomatically.

SECT	ION 5: Firefighting measures	
5.1.	Extinguishing media	
Suitabl	e extinguishing media	: Water spray. Dry powder. Foam.
5.2.	Special hazards arising from the su	ibstance or mixture
Hazard fire	lous decomposition products in case of	: Toxic fumes may be released.
5.3.	Advice for firefighters	
Protect	ion during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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SECTION 6: Accid	dental rele	ase meas	sures				
6.1. Personal pre	cautions, pr	otective eq	uipment and emergency	y procedures			
6.1.1. For non-eme		onnel					
Emergency procedures			: Ventilate spillage are	a. Avoid contact with skin	and eyes. A	void breathir	ng dust.
6.1.2. For emergen	cy responde	ers					
Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".							
6.2. Environment	al precautio	ns					
Avoid release to the env	/ironment.						
6.3. Methods and	I material fo	r containme	ent and cleaning up				
Methods for cleaning up)		: Mechanically recover	•			
Other information			: Dispose of materials	or solid residues at an au	thorized site.		
6.4. Reference to							
For further information r		-					
SECTION 7: Hand							
7.1. Precautions		dling	. Ensure good ventileti	on of the work station A	aid contact u	ith akin and	avea Mear paraanal
Precautions for safe ha	naling		protective equipment	on of the work station. Av . Avoid breathing dust.	old contact v	nin skin and	eyes. wear personal
Hygiene measures				clothing before reuse. Do after handling the product		or smoke w	hen using this product.
7.2. Conditions f	or safe stora	age, includir	ng any incompatibilities				
Storage conditions			: Store in a well-ventila	ted place. Keep cool.			
7.3. Specific end	use(s)						
No additional information	n available						
SECTION 8: Expo	sure cont	rols/pers	onal protection				
8.1. Control para	meters						
No additional information	n available						
8.2. Exposure co	ntrols						
Appropriate engineeri	ng controls:						
Ensure good ventilation	of the work	station.					
Hand protection:							
Protective gloves							
Туре	Material		Permeation	Thickness (mm)	Penetratio	n	Standard
							EN 374-2
Disposable gloves	Nitrile rubb		3 (> 60 minutes)		2 (< 1.5)		EN 374-2
Eye protection:							
Safety glasses						1	
Туре		Use		Characteristics Standa		Standard	
Safety glasses		Dust		With side shields EN 16		EN 166	
Skin and body protect	ion:						
Wear suitable protective	e clothing						
Туре				Standard			
Lab coat							
Respiratory protection	n:			1			
		ar suitable re	espiratory equipment [In	case of inadequate ventil	ation] wear re	espiratory pro	otection
				Condition			
Device		Filter type		Condition		Standard	

Device	Filter type	Condition	Standard
Dust mask	Туре Р1	Protection for Solid particles	EN 143, EN 149

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according to Regulation (EU) 2015/830



Environmental exposure controls:

Avoid release to the environment.

SECTION & Devoiced and chamics				
SECTION 9: Physical and chemical properties 9.1. Information on basic physical and chemical properties				
9.1. Information on basic physical and Physical state	: Solid			
Colour	: No data available			
Odour	: None.			
Odour threshold	: No data available			
pH	: No data available			
Relative evaporation rate (butylacetate=1)	: No data available			
Melting point	: No data available			
Freezing point	: Not applicable			
Boiling point	: No data available			
Flash point	: Not applicable			
Auto-ignition temperature	: Not applicable			
Decomposition temperature	: No data available			
Flammability (solid, gas)	: Non flammable.			
Vapour pressure	: No data available			
Relative vapour density at 20 °C	: No data available			
Relative density	: Not applicable			
Solubility	: Soluble in water.			
Log Pow	: No data available			
Viscosity, kinematic	: Not applicable			
Viscosity, dynamic	: No data available			
Explosive properties	: No data available			
Oxidising properties	: No data available			
Explosive limits	: Not applicable			
9.2. Other information				
No additional information available				
SECTION 10: Stability and reactivity				
10.1. Reactivity				
The product is non-reactive under normal cond	litions of use, storage and transport.			
10.2. Chemical stability	• ·			
Stable under normal conditions.				
10.3 Possibility of bazardous reactions				
10.3. Possibility of hazardous reactions No dangerous reactions known under normal conditions of use. Image: Condition of the second				
-				
10.4. Conditions to avoid				
None under recommended storage and handling conditions (see section 7).				
10.5. Incompatible materials				
No additional information available				
10.6. Hazardous decomposition products				
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 (oral)	: Not classified			
Acute toxicity (dermal)	: Not classified			
Acute toxicity (inhalation)	: Not classified			

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4-Aminoantipyrine (83-07-8)	
LD50 oral rat	1700 mg/kg rat
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information	1
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified

12.2. Persistence and degradability	
4-Aminoantipyrine (83-07-8)	
Persistence and degradability	Biodegradability in water: no data available.
12.3. Bioaccumulative potential	
4-Aminoantipyrine (83-07-8)	
Log Pow	-0.07 (estimated value)
Bioaccumulative potential	Bioaccumulation unlikely.
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessment	t
No additional information available	
12.6. Other adverse effects	
No additional information available	
SECTION 13: Disposal considerations	\$
13.1. Waste treatment methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IATA / ADI	N
ADR	ΙΑΤΑ
14.1. UN number	
Not applicable	Not applicable
14.2. UN proper shipping name	
Not applicable	Not applicable

Not applicable

Not applicable

Not applicable

No supplementary information available

14.3.

14.4.

Not applicable

Not applicable **14.5.** Envi

Not applicable

Transport hazard class(es)

Environmental hazards

Packing group

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according to Regulation (EU) 2015/830

14.6. Special precautions for user

- Overland transport

Not applicable

- Air transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.



Safety Data Sheet

Megazy	me	according to Regulation (EU) 2		0	
		Date of issue: 04/06/2013	Revision date: 09/01/2018	Supersedes: 20/03/2017	Version: 1.4
		f the substance/mixtur	e and of the company	/undertaking	
	ict identifier	N diasta ana			
Product form		: Mixture			
Product name		: K-SUCGL (Bo	ucose Assay Kit (Bottle 3)		
Product code		. K-SUCGL (BU	lile 3)		
1.2. Releva	ant identified uses o	of the substance or mixture	and uses advised against		
1.2.1. Releva	ant identified uses				
Industrial/Profes	sional use spec	: For profession	al use only		
Use of the substa	ance/mixture	: Use as labora	tory reagent		
122 Uses	advisod against				
	advised against formation available				
		the safety data sheet			
Megazyme		and Juricy water Shoot			
Bray Business P					
A98 YV29 Bray -		4			
	20 - F +353 12861264 <u>com</u> - <u>www.megazym</u>				
	gency telephone nu		0 IO and to E and OMT. Mand	an ta Fridan I	
Emergency num	ber	: +353 1286122	20 [9 am to 5 pm GMT - Mond	ay to Friday]	
SECTION 2:	Hazards identifi	ication			
2.1. Classi	ification of the subs	stance or mixture			
Classification a	ccording to Regula	tion (EC) No. 1272/2008 [CL	P]		
Skin corrosion/iri	ritation, Category 1B	H314			
Full text of H stat	tements : see sectior	n 16			
	achomical human	health and any ironmantal a	ffeete		
	skin burns and eye da	health and environmental e	nects		
	•	amaye.			
	elements				
		(EC) No. 1272/2008 [CLP]			
Hazard pictograr	ms (CLP)				
		GHS05			
Signal word (CL	P)	: Danger			
Hazardous ingre	dients	: sodium hydrox	kide, caustic soda		
Hazard statemer	nts (CLP)	: H314 - Cause	s severe skin burns and eye d	amage.	
Precautionary st	atements (CLP)		breathe mist, spray, vapours.		
			nands thoroughly after handlin	0	

EUH-statements

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. : EUH032 - Contact with acids liberates very toxic gas.

P280 - Wear eye protection, protective clothing, protective gloves

P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

2.3. **Other hazards**

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

Rinse skin with water

Safety Data Sheet

according to Regulation (EU) 2015/830

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
sodium hydroxide, caustic soda	(CAS-No.) 1310-73-2 (EC-No.) 215-185-5 (EC Index-No.) 011-002-00-6	1 - 5	Skin Corr. 1A, H314	
4-HYDROXYBENZOIC ACID	(CAS-No.) 99-96-7 (EC-No.) 202-804-9	1 - 5	Eye Dam. 1, H318 STOT SE 3, H335	
sodium azide substance with a Community workplace exposure limit	(CAS-No.) 26628-22-8 (EC-No.) 247-852-1 (EC Index-No.) 011-004-00-7	< 0.1	Acute Tox. 2 (Oral), H300 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	
Specific concentration limits:				
Name	ame Product identifier Specific concentration limits			
sodium hydroxide, caustic soda	(CAS-No.) 1310-73-2 (EC-No.) 215-185-5 (EC Index-No.) 011-002-00-6	(0.5 = <c <<br="">(2 =<c 5<="" <="" td=""><td colspan="2">(0.5 =<c 2)="" 2,="" <="" h315<br="" irrit.="" skin="">(0.5 =<c 2)="" 2,="" <="" eye="" h319<br="" irrit.="">(2 =<c 1b,="" 5)="" <="" corr.="" h314<br="" skin="">(C >= 5) Skin Corr. 1A, H314</c></c></c></td></c></c>	(0.5 = <c 2)="" 2,="" <="" h315<br="" irrit.="" skin="">(0.5 =<c 2)="" 2,="" <="" eye="" h319<br="" irrit.="">(2 =<c 1b,="" 5)="" <="" corr.="" h314<br="" skin="">(C >= 5) Skin Corr. 1A, H314</c></c></c>	

Full text of H-statements: see section 16

SECTION 4: First aid measures					
4.1. Description of first aid measures					
First-aid measures general	: Call a physician immediately.				
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.				
First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.				
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.				
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Call a physician immediately.				
4.2. Most important symptoms and effec	ts, both acute and delayed				
Symptoms/effects after skin contact	: Burns. Irritation.				
Symptoms/effects after eye contact	: Serious damage to eyes.				
Symptoms/effects after ingestion	: Burns.				
4.3. Indication of any immediate medical	attention and special treatment needed				
Treat symptomatically.					
SECTION 5: Firefighting measures					
5.1. Extinguishing media					
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.				
5.2. Special hazards arising from the substance or mixture					
Hazardous decomposition products in case of fire	: Toxic fumes may be released.				
5.3. Advice for firefighters					
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.				
SECTION 6: Accidental release meas	sures				
6.1. Personal precautions, protective equ	Jipment and emergency procedures				
6.1.1. For non-emergency personnel					
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe mist, spray, vapours.				
6.1.2. For emergency responders					
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".				
6.2. Environmental precautions					
Avoid release to the environment.					
6.3. Methods and material for containme	nt and cleaning up				
Methods for cleaning up	: Take up liquid spill into absorbent material.				
Other information	: Dispose of materials or solid residues at an authorized site.				

Safety Data Sheet

according to Regulation (EU) 2015/830

6.4.	Reference to other sections		
For furt	her information refer to section 13.		
SECT	ION 7: Handling and storage		
7.1.	Precautions for safe handling		
Precau	tions for safe handling	:	Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Do not breathe mist, spray, vapours.
Hygien	e measures	:	Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2.	Conditions for safe storage, includ	ing	any incompatibilities
Storage	e conditions	:	Store in a well-ventilated place. Keep cool. Store locked up.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection				
8.1. Control parameters				
sodium azide (26628-22-8)				
EU	Local name	Sodium azide		
EU	IOELV TWA (mg/m ³)	0.1 mg/m ³		
EU	IOELV STEL (mg/m ³)	0.3 mg/m ³		
EU	Notes	Skin		
EU	Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC		

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

Protective gloves

Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	3 (> 60 minutes)		2 (< 1.5)	EN 374-2

Eye protection:

Safety glasses

Туре	Use	Characteristics	Standard
Safety glasses	Droplet	With side shields	EN 166

Skin and body protection:

Wear suitable protective clothing

Туре	Standard
Lab coat	

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Device	Filter type	Condition	Standard
Dust mask	Туре Р1	Protection for Liquid particles	EN 143, EN 149



Safety Data Sheet

according to Regulation (EU) 2015/830

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemic	al properties
9.1. Information on basic physical a	nd chemical properties
Physical state	: Liquid
Colour	: No data available
Odour	: None.
Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Soluble in water.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	:

9.2. Other information

No additional information available

SECTI	ON 10: Stability and reactivity			
10.1.	Reactivity			
The proc	duct is non-reactive under normal conditions of use, storage and transport.			
10.2.	Chemical stability			
Stable u	Stable under normal conditions.			
10.3.	Possibility of hazardous reactions			
Contact	Contact with acids liberates very toxic gas.			
10.4.	Conditions to avoid			
None under recommended storage and handling conditions (see section 7).				
10.5.	Incompatible materials			
Acids.				
10.6.	Hazardous decomposition products			

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information			
11.1. Information on toxicological effect	IS In the second se		
Acute toxicity (oral)	: Not classified		
Acute toxicity (dermal)	: Not classified		
Acute toxicity (inhalation)	: Not classified		
Skin corrosion/irritation	: Causes severe skin burns and eye damage.		
Serious eye damage/irritation	: Serious eye damage, category 1, implicit		
Respiratory or skin sensitisation	: Not classified		
Germ cell mutagenicity	: Not classified		

Safety Data Sheet

according to Regulation (EU) 2015/830

Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information				
12.1. Toxicity				
	Before neutralisation, the product may represent a danger to aquatic organisms. Not classified			
	Not classified			
12.2. Persistence and degradability				
No additional information available				
12.3. Bioaccumulative potential	12.3. Bioaccumulative potential			
No additional information available				
12.4. Mobility in soil				
No additional information available				
12.5. Results of PBT and vPvB assessment				
No additional information available				
12.6. Other adverse effects				
No additional information available				
SECTION 13: Disposal considerations				

13.1. Waste treatment methods

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN		
ADR	ΙΑΤΑ	
14.1. UN number		
Not applicable	Not applicable	
14.2. UN proper shipping name		
Not applicable	Not applicable	
14.3. Transport hazard class(es)		
Not applicable	Not applicable	
14.4. Packing group		
Not applicable	Not applicable	
14.5. Environmental hazards		
Not applicable	Not applicable	
No supplementary information available		

14.6. Special precautions for user

- Overland transport

Not applicable

- Air transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Safety Data Sheet

according to Regulation (EU) 2015/830

Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Acute Tox. 2 (Oral)	Acute toxicity (oral), Category 2
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H300	Fatal if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH032	Contact with acids liberates very toxic gas.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.



Safety Data Sheet

according to Regulation (EU) 2015/830

Megazyme	according to Regulation (EU) Date of issue: 04/06/2013	2015/830 Revision date: 09/01/2018	Supersedes: 20/03/2017	Version: 1.4
SECTION 1: Identification	on of the substance/mixtu	re and of the company	/undertaking	
1.1. Product identifier				
Product form	: Mixture			
Product name	: Sucrose/D-GI	ucose Assay Kit (Bottle 2)		
Product code	: K-SUCGL (Bo	ottle 2)		
1.2. Relevant identified u	ises of the substance or mixture	and uses advised against		
1.2.1. Relevant identified u	ISes			
Industrial/Professional use spec	: For profession	nal use only		
Use of the substance/mixture	: Use as labora	atory reagent		
1.2.2. Uses advised agains	st			
No additional information availa	ble			
1.3. Details of the supplie	er of the safety data sheet			
A98 YV29 Bray - Ireland T +353 12861220 - F +353 1286 cs@megazyme.com - www.meg 1.4. Emergency telephor	gazyme.com			
Emergency number	: +353 128612	20 [9 am to 5 pm GMT - Mond	ay to Friday]	
SECTION 2: Hazards ide	entification			
2.1. Classification of the	substance or mixture			
Classification according to Re Not classified	egulation (EC) No. 1272/2008 [CL	.P]		
Adverse physicochemical, hu	man health and environmental e	effects		
To our knowledge, this product opractice.	does not present any particular risl	k, provided it is handled in acc	ordance with good occupation	nal hygiene and safety
2.2. Label elements				
Labelling according to Regula	ation (EC) No. 1272/2008 [CLP]			
No labelling applicable				

2.3. Other hazards

No additional information available

SECTI	ON 3: Composition/information on ingredients
3.1.	Substances
Not appli	cable
3.2.	Mixtures

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II

SECTION 4: First aid measures		
4.1. Description of first aid measures		
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.	
First-aid measures after skin contact	: Wash skin with plenty of water.	
First-aid measures after eye contact	: Rinse eyes with water as a precaution.	
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.	
4.2. Most important symptoms and effects, both acute and delayed		
No additional information available		
4.3. Indication of any immediate medical attention and special treatment needed		
Treat symptomatically.		

Safety Data Sheet

ulation (ELI) 2015/830 a to R а

according to Regulation (EU) 2015/830	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
5.2. Special hazards arising from the su	ibstance or mixture
Hazardous decomposition products in case of fire	: Toxic fumes may be released.
5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTION 6: Accidental release mea	Isures
6.1. Personal precautions, protective ed	quipment and emergency procedures
6.1.1. For non-emergency personnel Emergency procedures	: Ventilate spillage area.
6.1.2. For emergency responders Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions Avoid release to the environment.	
6.3. Methods and material for containm	ent and cleaning up
Methods for cleaning up	: Take up liquid spill into absorbent material.
Other information	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	
For further information refer to section 13.	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, includ	ing any incompatibilities
Storage conditions	: Store in a well-ventilated place. Keep cool.
7.3. Specific end use(s)	
No additional information available	
SECTION 8: Exposure controls/pers	sonal protection
8.1. Control parameters	
No additional information available	

8.2. **Exposure controls**

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

Protective gloves

Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	3 (> 60 minutes)		2 (< 1.5)	EN 374-2

Eye protection:

Safety glasses

Туре	Use	Characteristics	Standard
Safety glasses	Droplet	With side shields	EN 166

Skin and body protection:

Wear suitable protective clothing

Safety Data Sheet

according to Regulation (EU) 2015/830

Туре	Standard
Lab coat	

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Device	Filter type	Condition	Standard
Dust mask	Туре Р1	Protection for Liquid particles	EN 143, EN 149



Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemica	I properties				
9.1. Information on basic physical and	9.1. Information on basic physical and chemical properties				
Physical state	: Liquid				
Colour	: No data available on colour.				
Odour	: None.				
Odour threshold	: No data available				
pН	: No data available				
Relative evaporation rate (butylacetate=1)	: No data available				
Melting point	: Not applicable				
Freezing point	: No data available				
Boiling point	: No data available				
Flash point	: No data available				
Auto-ignition temperature	: No data available				
Decomposition temperature	: No data available				
Flammability (solid, gas)	: Not applicable				
Vapour pressure	: No data available				
Relative vapour density at 20 °C	: No data available				
Relative density	: No data available				
Solubility	: Soluble in water.				
Log Pow	: No data available				
Viscosity, kinematic	: No data available				
Viscosity, dynamic	: No data available				
Explosive properties	: No data available				
Oxidising properties	: No data available				
Explosive limits	:				
9.2. Other information					
No additional information available					
SECTION 10: Stability and reactivity	ty				
10.1. Reactivity					
The product is non-reactive under normal cond	ditions of use, storage and transport.				

10.2.	Chemical stability				
	nder normal conditions.				
10.3.	Possibility of hazardous reactions				
No dang	No dangerous reactions known under normal conditions of use.				
10.4.	Conditions to avoid				
None un	None under recommended storage and handling conditions (see section 7).				
10.5.	Incompatible materials				
NI	in a lin forma of an analysis in				

No additional information available

Safety Data Sheet

according to Regulation (EU) 2015/830

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

	ardous decomposition products should not be produced.						
SECTION 11: Toxicological information							
11.1. Information on toxicological effects							
Acute toxicity (oral) : Not classified							
Acute toxicity (dermal)	: Not classified						
Acute toxicity (inhalation)	: Not classified						
Skin corrosion/irritation	: Not classified						
Serious eye damage/irritation	: Not classified						
Respiratory or skin sensitisation	: Not classified : Not classified						
Germ cell mutagenicity							
Carcinogenicity	: Not classified						
Reproductive toxicity	: Not classified						
STOT-single exposure	: Not classified						
STOT-repeated exposure	: Not classified						
Aspiration hazard	: Not classified						
SECTION 12: Ecological information							
12.1. Toxicity							
Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse						
Looogy - general	effects in the environment.						
Acute aquatic toxicity	: Not classified						
Chronic aquatic toxicity	: Not classified						
12.2. Persistence and degradability							
No additional information available							
12.3. Bioaccumulative potential							
No additional information available							
12.4. Mobility in soil							
No additional information available							
12.5 Posults of PBT and vPvB assessme	nt						
12.5. Results of PBT and vPvB assessment							
No additional information available							
12.6. Other adverse effects							
No additional information available							
SECTION 13: Disposal consideration	ns						
13.1. Waste treatment methods							
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.						
SECTION 14: Transport information							
In accordance with ADR / RID / IMDG / IATA / ADN							
ADR IATA							
14.1. UN number							
Not applicable	Not applicable						
14.2. UN proper shipping name							
Not applicable	Not applicable						
14.3. Transport hazard class(es) Not applicable	Not applicable						
14.4. Packing group							
Not applicable	Not applicable						
14.5. Environmental hazards							
Not applicable	Not applicable						
No supplementary information available							

Safety Data Sheet

according to Regulation (EU) 2015/830

14.6. Special precautions for user

- Overland transport

Not applicable

- Air transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.



Safety Data Sheet

according to Regulation (EU) 2015/830 data: 00/01/2018 Devicie

Megazyme	according to Regulation (EU) 201 Date of issue: 04/06/2013	15/830 Revision date: 09/01/2018	Supersedes: 20/03/2017	Version: 1.4	
SECTION 1: Identificati	on of the substance/mixture	and of the company	undertaking		
1.1. Product identifier					
Product form	: Mixture				
Product name	: Sucrose/D-Gluce	ose Assay Kit (Bottle 1)			
Product code	: K-SUCGL (Bottle	e 1)			
1.2. Relevant identified	uses of the substance or mixture ar	nd uses advised against			
1.2.1. Relevant identified	uses				
Industrial/Professional use spe	c : For professional	use only			
Use of the substance/mixture	: Use as laborator	ry reagent			
1.2.2. Uses advised again	st				
No additional information availa	able				
1.3. Details of the suppl	ier of the safety data sheet				
Bray Business Park A98 YV29 Bray - Ireland T +353 12861220 - F +353 128 cs@megazyme.com - www.me	egazyme.com				
1.4. Emergency telepho					
Emergency number	: +353 12861220	[9 am to 5 pm GMT - Monda	ay to Friday]		
SECTION 2: Hazards id	entification				
2.1. Classification of the	e substance or mixture				
Classification according to R Not classified	Regulation (EC) No. 1272/2008 [CLP]	l			
	uman health and environmental effe		ordance with good occupatior	nal hygiene and safety	
2.2. Label elements					
Labelling according to Regul No labelling applicable	Labelling according to Regulation (EC) No. 1272/2008 [CLP] No labelling applicable				
Labelling according to: exem	ption for inner packaging where the	e contents do not exceed	10ml		
No labelling required					

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. **Mixtures**

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II

SECTION 4: First aid measures				
4.1. Description of first aid measures				
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.			
First-aid measures after skin contact	: Wash skin with plenty of water.			
First-aid measures after eye contact	: Rinse eyes with water as a precaution.			
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.			
4.2. Most important symptoms and effects, both acute and delayed				
No additional information available				

Safety Data Sheet

according to Regulation (EU) 2015/830

4.3. Indication of any immediate med	lical attention and special treatment needed
Treat symptomatically.	
SECTION 5: Firefighting measures	s
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
5.2. Special hazards arising from the	substance or mixture
Hazardous decomposition products in case o fire	of : Toxic fumes may be released.
5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTION 6: Accidental release m	easures
6.1. Personal precautions, protective	equipment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Ventilate spillage area.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for contain	nment and cleaning up
Methods for cleaning up	: Take up liquid spill into absorbent material.
Other information	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	
For further information refer to section 13.	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, include	uding any incompatibilities
Storage conditions	: Store in a well-ventilated place. Keep cool.
7.3. Specific end use(s)	
No additional information available	
SECTION 8: Exposure controls/pe	ersonal protection
8.1. Control parameters	
No additional information available	
8.2. Exposure controls	
Appropriate engineering controls:	
Ensure good ventilation of the work station.	
Hand protection:	
Drata ativa alavaa	

Protective gloves

Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	3 (> 60 minutes)		2 (< 1.5)	EN 374-2

Eye protection:

Safety glasses

Туре	Use	Characteristics	Standard
Safety glasses	Droplet	With side shields	EN 166

Safety Data Sheet

according to Regulation (EU) 2015/830

Skin and body protection:

Wear suitable protective clothing

Туре	Standard
Lab coat	

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Device	Filter type	Condition	Standard
Dust mask	Туре Р1	Protection for Liquid particles	EN 143, EN 149



Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical	properties			
9.1. Information on basic physical and chemical properties				
Physical state	: Liquid			
Colour	: No data available on colour.			
Odour	: None.			
Odour threshold	: No data available			
рН	: No data available			
Relative evaporation rate (butylacetate=1)	: No data available			
Melting point	: Not applicable			
Freezing point	: No data available			
Boiling point	: No data available			
Flash point	: No data available			
Auto-ignition temperature	: No data available			
Decomposition temperature	: No data available			
Flammability (solid, gas)	: Not applicable			
Vapour pressure	: No data available			
Relative vapour density at 20 °C	: No data available			
Relative density	: No data available			
Solubility	: Soluble in water.			
Log Pow	: No data available			
Viscosity, kinematic	: No data available			
Viscosity, dynamic	: No data available			
Explosive properties	: No data available			
Oxidising properties	: No data available			
Explosive limits	:			
9.2. Other information				
No additional information available				
SECTION 10: Stability and reactivity				
Destron for oldonity and redelivit				

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

Safety Data Sheet

according to Regulation (EU) 2015/830

10.5. **Incompatible materials**

No additional information available

Hazardous decomposition products 10.6.

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 (oral)	: Not classified		
Acute toxicity (dermal)	: Not classified		
Acute toxicity (inhalation)	: Not classified		
Skin corrosion/irritation	: Not classified		
Serious eye damage/irritation	: Not classified		
Respiratory or skin sensitisation	: Not classified		
Germ cell mutagenicity	: Not classified		
Carcinogenicity	: Not classified		
Reproductive toxicity	: Not classified		
STOT-single exposure	: Not classified		
STOT-repeated exposure	: Not classified		
Aspiration hazard	: Not classified		

SECTION 12: Ecological informatio	n
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified
12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessm	ent
No additional information available	
12.6. Other adverse effects	
No additional information available	
SECTION 13: Disposal consideration	ns
13.1. Waste treatment methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IATA /	ADN
ADR	ΙΑΤΑ
14.1. UN number	
Not applicable	Not applicable
14.2. UN proper shipping name Not applicable	Not applicable
14.3. Transport hazard class(es)	
Net emplicable	Netewalizable

Safety Data Sheet

according to Regulation (EU) 2015/830

ADR	ΙΑΤΑ		
No supplementary information available			
14.6.	Special precautions for user		
- Overla	and transport		
Not app	licable		
- Air tra	Insport		
Not app			
14.7.	Transport in bulk according to Annex II of Marpol and the IBC Code		
Not app	licable		
SECT	ION 15: Regulatory information		
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture		
15.1.1.	EU-Regulations		
Contain	s no REACH substances with Annex XVII restrictions		
Contains no substance on the REACH candidate list			
Contain	s no REACH Annex XIV substances		

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.