

Glucose Oxidase Assay Kit

Kit Safety Information Sheet

Date of issue: 05/06/2013

Revision date: 11/12/2017

Supersedes: 20/03/2017

Version: 1.3

SECTION 1: Kit identifica 1.1. Kit identifier	tion	
Product name	: Glucose Oxidase Assay Kit	
Product code	: K-GLOX	
1.2. Details of the supplie	of the KIT safety information sheet	
Megazyme		

Bray Business Park A98 YV29 Bray - Ireland T +353 12861220 - F +353 12861264 cs@megazyme.com - www.megazyme.com

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]
Glucose Oxidase Assay Kit (Bottle 1)	Buffer	2	pcs (pieces)	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Glucose Oxidase Assay Kit (Bottle 2)	Reagent	2	pcs (pieces)	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Glucose Oxidase Assay Kit (Bottle 4)	Reagent	1	pcs (pieces)	Acute Tox. 4 (Oral), H302
Glucose Oxidase Assay Kit (Bottle 5)	Reagent	1	pcs (pieces)	Acute Tox. 4 (Oral), H302 Aquatic Chronic 3, H412

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
Glucose Oxidase Assay Kit (Bottle 3)	Reagent	1	pcs (pieces)

SECTION 4: General advice

No data available

SECTION 5: Safe handling advice	9
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

Glucose Oxidase Assay Kit

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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



Glucose Oxidase Assay Kit (Bottle 5) Safety Data Sheet according to Regulation (EU) 2015/830

Megazyme	Date of issue: 05/06/2013	Revision date: 11/12/2017	Supersedes: 20/03/2017	Version: 1.3
SECTION 1: Identification c	of the substance/mixt	ture and of the company	/undertaking	
1.1. Product identifier				
Product form	: Mixture			
Product name	: Glucose Ox	kidase Assay Kit (Bottle 5)		
Product code	: K-GLOX (B	ottle 5)		
.2. Relevant identified uses	of the substance or mixtu	re and uses advised against		
I.2.1. Relevant identified uses				
Aain use category	: Professiona	al use		
Jse of the substance/mixture	: Use as labo	pratory reagent		
I.2.2. Uses advised against				
lo additional information available				
.3. Details of the supplier of	f the safety data sheet			
Manufacturer Megazyme Bray Business Park A98 YV29 Bray - Ireland F +353 12861220 - F +353 1286126 <u>cs@megazyme.com</u> - <u>www.megazy</u>				
.4. Emergency telephone nu Emergency number		1220 [9 am to 5 pm GMT - Mond	ay to Friday]	
SECTION 2: Hazards identi	fication			
A Olean Microff and Ale	stance or mixture			
2.1. Classification of the sub				
Classification according to Regula	ation (EC) No. 1272/2008 [(CLP]		
Classification according to Regula Acute toxicity (oral), Category 4 Hazardous to the aquatic environme Chronic Hazard, Category 3 Full text of H statements : see section Adverse physicochemical, human	ation (EC) No. 1272/2008 [4 H302 Int — H412 Inn 16	l effects		
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according to Regulation (EU) 2015/830

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
sodium azide	(CAS-No.) 26628-22-8 (EC-No.) 247-852-1 (EC Index-No.) 011-004-00-7	0.1 - 1	Acute Tox. 2 (Oral), H300 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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.
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. Rinse mouth.
4.2. Most important symptoms and effect	cts, both acute and delayed
No additional information available	
4.3. Indication of any immediate medica	I 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 su	bstance 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	sures
	SURES uipment and emergency procedures
6.1. Personal precautions, protective eq	
6.1.Personal precautions, protective eq6.1.1.For non-emergency personnelEmergency procedures	uipment and emergency procedures
6.1.Personal precautions, protective eq6.1.1.For non-emergency personnel	uipment and emergency procedures
 6.1. Personal precautions, protective eq 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders 	 ventilate spillage area. Do not attempt to take action without suitable protective equipment. For further information
 6.1. Personal precautions, protective equipment 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 	 ventilate spillage area. Do not attempt to take action without suitable protective equipment. For further information
 6.1. Personal precautions, protective equipment 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions 	 ventilate spillage area. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
 6.1. Personal precautions, protective equipment 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions Avoid release to the environment. 	 ventilate spillage area. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
 6.1. Personal precautions, protective equiparties 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions Avoid release to the environment. 6.3. Methods and material for containment 	 ventilate spillage area. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
 6.1. Personal precautions, protective equiparties 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions Avoid release to the environment. 6.3. Methods and material for containment Methods for cleaning up 	 ventilate spillage area. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
 6.1. Personal precautions, protective equiparties 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions Avoid release to the environment. 6.3. Methods and material for containment Methods for cleaning up Other information 	 ventilate spillage area. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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 6.1. Personal precautions, protective equiparties 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions Avoid release to the environment. 6.3. Methods and material for containing Methods for cleaning up Other information 6.4. Reference to other sections For further information refer to section 13. SECTION 7: Handling and storage 	 ventilate spillage area. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

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Hygiene measures	
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: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage	conditions	
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

: Store in a well-ventilated place. Keep cool.

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

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



Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties			
9.1. Information on basic physical and	d chemical properties		
Physical state	: Liquid		
Colour	: No data available		
Odour	: No data available		
Odour threshold	: No data available		
рН	: No data available		
Relative evaporation rate (butylacetate=1)	: No data available		

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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	: No data available
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

SECT	ION 10: Stability and reactivity
10.1.	Reactivity
The pro	duct is non-reactive under normal conditions of use, storage and transport.
10.2.	Chemical stability
Stable ι	under normal conditions.
10.3.	Possibility of hazardous reactions
Contact	with acids liberates very toxic gas.
10.4.	Conditions to avoid
None u	nder 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 inf	ormation
11.1. Information on toxicological	
Acute toxicity (oral)	: Oral: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
ATE CLP (oral)	1250 mg/kg bodyweight
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
TOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
spiration hazard	: Not classified

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: Harmful to aquatic life with long lasting effects. Harmful to aquatic life.

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	: Not classified
Chronic aquatic toxicity	: Harmful to aquatic life with long lasting effects.
2.2. Persistence and degradab	bility
lo additional information available	
2.3. Bioaccumulative potential	l
lo additional information available	
2.4. Mobility in soil	
lo additional information available	
2.5. Results of PBT and vPvB a	assessment
lo additional information available	
2.6. Other adverse effects	
lo additional information available	
SECTION 13: Disposal consi	iderations
3.1. Waste treatment methods	j
Vaste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
ECTION 14: Transport infor	
SECTION 14: Transport infor n accordance with ADR / RID / IMDG	rmation
	rmation
n accordance with ADR / RID / IMDG ADR 4.1. UN number	rmation 6 / IATA / ADN IATA
n accordance with ADR / RID / IMDG ADR 4.1. UN number Not applicable	rmation 6 / IATA / ADN IATA Not applicable
n accordance with ADR / RID / IMDG ADR 4.1. UN number Not applicable 4.2. UN proper shipping name	rmation 6 / IATA / ADN IATA Not applicable
n accordance with ADR / RID / IMDG ADR 4.1. UN number Not applicable 4.2. UN proper shipping name Not applicable	rmation S / IATA / ADN IATA Not applicable Not applicable
n accordance with ADR / RID / IMDG ADR 4.1. UN number Jot applicable 4.2. UN proper shipping name Jot applicable 4.3. Transport hazard class(es	rmation 3 / IATA / ADN IATA Not applicable Not applicable S)
n accordance with ADR / RID / IMDG ADR 4.1. UN number Not applicable 4.2. UN proper shipping name Not applicable 4.3. Transport hazard class(es Not applicable	rmation S / IATA / ADN IATA Not applicable Not applicable
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n accordance with ADR / RID / IMDG ADR 4.1. UN number Not applicable 4.2. UN proper shipping name Not applicable 4.3. Transport hazard class(es Not applicable 4.4. Packing group Not applicable	rmation 3 / IATA / ADN IATA Not applicable Not applicable S)
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n accordance with ADR / RID / IMDG ADR 4.1. UN number Not applicable 4.2. UN proper shipping name Not applicable 4.3. Transport hazard class(es Not applicable 4.4. Packing group Not applicable 4.5. Environmental hazards	rmation 5 / IATA / ADN IATA Not applicable Not applicable S) Not applicable Not applicable

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

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according to Regulation (EU) 2015/830

Full text of H- and EUH-stater	nents:
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
H300	Fatal if swallowed.
H302	Harmful if swallowed.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful 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.



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according to Regulation (EU) 2015/830 Date of issue: 05/06/2013 Revision date:

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Supersedes: 20/03/2017

Version: 1.3

SECTION 1: Identification o				
	of the substance/mixtu	re and of the company	/undertaking	
1.1. Product identifier				
Product form	: Mixture			
Product name	: Glucose Oxida	ase Assay Kit (Bottle 4)		
Product code	: K-GLOX (Bott	ile 4)		
.2. Relevant identified uses	of the substance or mixture	and uses advised against		
.2.1. Relevant identified uses				
Aain use category	: Professional u	lse		
Jse of the substance/mixture	: Use as labora	tory reagent		
I.2.2. Uses advised against				
No additional information available				
.3. Details of the supplier of	the safety data sheet			
Manufacturer Megazyme Bray Business Park A98 YV29 Bray - Ireland T +353 12861220 - F +353 1286126 <u>cs@megazyme.com</u> - <u>www.megazyr</u>				
1.4. Emergency telephone nu	ımber			
	: +353 1286122	20 [9 am to 5 pm GMT - Mond	ay to Friday]	
Emergency number				
SECTION 2: Hazards identif 2.1. Classification of the subs	fication stance or mixture			
SECTION 2: Hazards identif 2.1. Classification of the subs Classification according to Regula Acute toxicity (oral), Category 4 Full text of H statements : see sectio	fication stance or mixture ation (EC) No. 1272/2008 [CL H302 n 16	.P]		
SECTION 2: Hazards identif Classification of the subs Classification according to Regula Acute toxicity (oral), Category 4 Full text of H statements : see section Adverse physicochemical, human	fication stance or mixture ation (EC) No. 1272/2008 [CL H302 n 16	.P]		
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SECTION 2: Hazards identif 2.1. Classification of the subs Classification according to Regula Acute toxicity (oral), Category 4 Full text of H statements : see section Adverse physicochemical, human Harmful if swallowed.	fication stance or mixture ation (EC) No. 1272/2008 [CL H302 n 16 health and environmental e (EC) No. 1272/2008 [CLP]	.P]		
SECTION 2: Hazards identif 2.1. Classification of the subscripts Classification according to Regular Acute toxicity (oral), Category 4 Full text of H statements : see section Adverse physicochemical, human Harmful if swallowed. 2. Label elements Labelling according to Regulation Hazard pictograms (CLP)	fication stance or mixture ation (EC) No. 1272/2008 [CL H302 n 16 health and environmental e (EC) No. 1272/2008 [CLP]	.P]		
Signal word (CLP)	fication stance or mixture ation (EC) No. 1272/2008 [CL H302 n 16 health and environmental e (EC) No. 1272/2008 [CLP] : GHS07 : Warning	.P] ffects		
SECTION 2: Hazards identif Section of the substrate Classification according to Regulat Acute toxicity (oral), Category 4 Full text of H statements : see section Adverse physicochemical, human Harmful if swallowed. 2.2. Label elements Label lements Label of CLP) Hazardous ingredients	fication stance or mixture ation (EC) No. 1272/2008 [CL H302 n 16 health and environmental e (EC) No. 1272/2008 [CLP] : GHS07 : Warning : Albumins, block	.P] ffects od serum, BSA, Bovine Serun		
Signal word (CLP) Hazardous ingredients Hazardous ingredients Hazard statements (CLP)	fication stance or mixture ation (EC) No. 1272/2008 [CL H302 n 16 health and environmental e (EC) No. 1272/2008 [CLP] : : : : : : : : : : : : :	. P] offects od serum, BSA, Bovine Serun ul if swallowed.	n Albumin	
Signal word (CLP)	fication stance or mixture ation (EC) No. 1272/2008 [CL H302 n 16 health and environmental e (EC) No. 1272/2008 [CLP] : : : : : : : : : : : : :	. P] Iffects od serum, BSA, Bovine Serum ul if swallowed. hands thoroughly after handlir i eat, drink or smoke when usi IF SWALLOWED: Call a doct mouth.	n Albumin ng. ng this product. or, a POISON CENTER if you zardous or special waste collec	
Signal word (CLP) Hazardous ingredients Hazard statements (CLP)	fication stance or mixture ation (EC) No. 1272/2008 [CL H302 n 16 health and environmental e (EC) No. 1272/2008 [CLP] : GHS07 : Warning : Albumins, bloc : H302 - Harmfu : P264 - Wash P270 - Do not P301+P312 - P330 - Rinse P501 - Dispos accordance w	.P] offects od serum, BSA, Bovine Serun ul if swallowed. hands thoroughly after handlin t eat, drink or smoke when usi IF SWALLOWED: Call a doct mouth. se of contents/container to haz ith local, regional, national an	n Albumin ng. ng this product. or, a POISON CENTER if you cardous or special waste collect d/or international regulation.	

Safety Data Sheet

Precautions for safe handling

according to Regulation (EU) 2015/830 **SECTION 3: Composition/information on ingredients** 3.1. **Substances** Not applicable 3.2. **Mixtures Product identifier** Classification according to Name % Regulation (EC) No. 1272/2008 [CLP] Acute Tox. 4 (Oral), H302 Albumins, blood serum, BSA, Bovine Serum Albumin (CAS-No.) 9048-46-8 50 - 60 (EC-No.) 232-936-2 Full text of H-statements: see section 16 **SECTION 4: First aid measures Description of first aid measures** 4.1. 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. Wash skin with plenty of water. First-aid measures after skin contact 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. Rinse mouth. Most important symptoms and effects, both acute and delayed 4.2 No additional information available 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. Special hazards arising from the substance or mixture 5.2. Hazardous decomposition products in case of : Toxic fumes may be released. fire 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 measures 6.1. Personal precautions, protective equipment and emergency procedures 6.1.1. For non-emergency personnel : Ventilate spillage area. Emergency procedures 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". 62 **Environmental precautions** Avoid release to the environment. 6.3. Methods and material for containment and cleaning up Methods for cleaning up : Mechanically recover the product. Other information : Dispose of materials or solid residues at an authorized site. 64 **Reference to other sections** For further information refer to section 13. SECTION 7: Handling and storage Precautions for safe handling 7.1.

Hygiene r	neasures	:	Do not eat, drink or smoke when using this product. Always wash hands after handling th product.	ıe
7.2.	Conditions for safe storage, including	g	any incompatibilities	
Storage o	onditions	:	Store in a well-ventilated place. Keep cool.	
12/03/2018	}		EN (English)	10/30

: Ensure good ventilation of the work station. Wear personal protective equipment.

Safety Data Sheet

according to Regulation (EU) 2015/830

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal 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

Eye protection:

Safety glasses

Туре	Use	Characteristics	Standard
Safety glasses	Dust	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 Solid 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	d chemical properties	
Physical state	: Solid	
Colour	: No data available	
Odour	: No data available	
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	

Safety Data Sheet

according to Regulation (EU) 2015/830

Relative density	: Not applicable
Solubility	: No data available
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

10.1.	ION 10: Stability and reactivity 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 dan	gerous reactions known under normal conditions of use.			
10.4.	Conditions to avoid			
None u	nder recommended storage and handling conditions (see section 7).			
10.5.	Incompatible materials			
No add	itional 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)	: Oral: Harmful if swallowed.		
Acute toxicity (dermal)	: Not classified		
Acute toxicity (inhalation)	: Not classified		
ATE CLP (oral)	848.320325755 mg/kg bodyweight		
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

Safety Data Sheet

according to Regulation (EU) 2015/830

12.4.	Mobility in soil	
No addit	onal information available	
12.5.	Results of PBT and vPvB assessmen	t
No addit	onal information available	
12.6.	Other adverse effects	
No addit	onal information available	
SECTI	ON 13: Disposal consideration	S
13.1.	Waste treatment methods	
Waste tr	eatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
OFOTI		

SECTION 14: Transport information In accordance with ADR / RID / IMDG / IATA / ADN

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 in	nformation 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 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 (Oral)	Acute toxicity (oral), Category 4
H302	Harmful if swallowed.

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.



Glucose Oxidase Assay Kit (Bottle 3) Safety Data Sheet according to Regulation (EU) 2015/830

INICZAZYNIC	Date of issue: 05/06/2013	Revision date: 18/01/2018	Supersedes: 20/03/2017	Version: 1.3
SECTION 1: Identification	of the substance/mixtu	re and of the company	/undertaking	
.1. Product identifier				
Product form	: Mixture			
Product name	: Glucose Oxid	ase Assay Kit (Bottle 3)		
Product code	: K-GLOX (Bot	tle 3)		
.2. Relevant identified use	es of the substance or mixture	and uses advised against		
.2.1. Relevant identified use	es			
lain use category	: Professional u	lse		
Jse of the substance/mixture	: Use as labora	tory reagent		
.2.2. Uses advised against				
lo additional information available	3			
.3. Details of the supplier	of the safety data sheet			
Megazyme Bray Business Park ∖98 YV29 Bray - Ireland ⁻ +353 12861220 - F +353 12861 <u>s@megazyme.com</u> - <u>www.mega</u>				
.4. Emergency telephone	number			
Emergency number	: +353 128612	20 [9 am to 5 pm GMT - Mond	ay to Friday]	
SECTION 2: Hazards iden	tification			
2.1. Classification of the su				
Classification according to Reg Not classified	ulation (EC) No. 1272/2008 [CL	.P]		
Adverse physicochemical, hum o our knowledge, this product do practice.			ordance with good occupation	al hygiene and safe
2.2. Label elements				
abelling according to Regulation lo labelling applicable	on (EC) No. 1272/2008 [CLP]			
abelling according to: exempti	on for inner packaging where	the contents do not exceed	10ml	
lo labelling required				
.3. Other hazards				
lo additional information available	3			
SECTION 3: Composition	/information on ingredie	ents		
3.1. Substances				
lot applicable				
3.2. Mixtures				
his mixture does not contain any	substances to be mentioned ac	cording to the criteria of sectio	n 3.2 of REACH annex II	

SECTION 4: First aid measures	
4.1. Description of first aid measure	S
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.

Safety Data Sheet

according to Regulation (EU) 2015/830

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 sy	mptomatically.					
SECTI	ON 5: Firefi	ghting measures				
5.1.	Extinguishin	g media				
Suitable	extinguishing n	nedia	: Water spray. Dry pow	der. Foam.		
5.2.		rds arising from the sub				
fire		on products in case of	: Toxic fumes may be r	eleased.		
5.3 .	Advice for fi	•	De weterte state			a su da in a d b as a da in a
Protectio	on during firefigl	nting	apparatus. Complete	e action without suitable p protective clothing.	rotective equipment. Self	-contained breathing
SECTI	ON 6: Accio	lental release meas	sures			
6.1.	Personal pre	cautions, protective equ	ipment and emergency	procedures		
6.1.1.	For non-eme	rgency personnel				
Emerger	ncy procedures		: Ventilate spillage area	1.		
6.1.2.	For emergen	cy responders				
Protectiv	e equipment			e action without suitable p posure controls/personal		further information
6.2.		al precautions				
Avoid re	lease to the env	vironment.				
6.3.		I material for containme				
	for cleaning up)	: Mechanically recover	•	harizad aita	
-	formation		Dispose of materials of	or solid residues at an aut	norized site.	
6.4. For furth		other sections refer to section 13.				
		ling and storage				
7.1. Precautio	ons for safe ha	for safe handling	· Ensure good ventilation	on of the work station. We	ar personal protective eq	uipment
	measures	lainig	•	noke when using this prod		•
,,,			product.	5 1	,	5
7.2.		or safe storage, includin	g any incompatibilities			
Storage	conditions		: Store in a well-ventila	ted place. Keep cool.		
7.3. No addit	Specific end ional informatio					
SECTI	ON 8: Expo	sure controls/perso	onal protection			
8.1.	Control para	meters				
No addit	ional informatio	n available				
8.2.	Exposure co	ntrols				
Approp	riate engineeri	ng controls:				
Ensure g	good ventilation	of the work station.				
Persona	Personal protective equipment:					
Wash ha	Wash hands thoroughly after handling.					
Hand pr	Hand protection:					
-	e gloves					
Туре	-	Material	Permeation	Thickness (mm)	Penetration	Standard

Disposable gloves Eye protection:

3 (> 60 minutes)

Nitrile rubber (NBR)

EN 374

2 (< 1.5)

Safety Data Sheet

according to Regulation (EU) 2015/830

Safety	glasses
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Туре	Use	Characteristics	Standard
Safety glasses	Dust	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 Solid particles	EN 143, EN 149



Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemica	l properties
9.1. Information on basic physical and	
Physical state	: Solid
Colour	: No data available
Odour	: No data available
Odour threshold	: No data available
рН	: 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	: No data available
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	

No additional information available

SECTION 10: Stability and reactivity	
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10.1. Reactivity

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

10.2. Chemical stability

Stable under normal conditions.

Glucose Oxidase Assay Kit (Bottle 3) Safety Data Sheet

according to Regulation (EU) 2015/830

10.3.	Possibility of hazardous reactions		
No dang	gerous reactions known under normal conditions of use.		
10.4.	Conditions to avoid		
None ur	nder recommended storage and handling conditions (see section 7).		
10.5.	Incompatible materials		
No addi	itional information available		
10.6.	Hazardous decomposition products		
Under normal conditions of storage and use, hazardous decomposition products should not be produced.			

SECTION 11: Toxicological infor	mation
11.1. Information on toxicological eff	
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 informa	tion
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 asses	sment
No additional information available	
12.6. Other adverse effects	
No additional information available	
SECTION 13: Disposal considera	itions
13.1. Waste treatment methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTION 14: Transport informat	ion
In accordance with ADR / RID / IMDG / IAT	A / ADN

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
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 i	nformation 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 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 Date of issue: 05/06/2013

Revision date: 11/12/2017

Product form : Mxture roduct name : Clucose Oxidase Assay Kit (Bottle 2) 2. Relevant identified uses of the substance or mixture and uses advised against 2.1. Relevant identified uses of the substance or mixture and uses advised against 2.1. Relevant identified uses 2.1. Relevant identified uses of the substance or mixture and uses advised against 2.2. Uses advised against is of the substance or the substance or mixture advised against 3.3. Details of the substance or the safety data sheet Relevant identified uses : Regramme Park Begramme Park		Date of issue: 05/06/2013	Revision date: 11/12/2017	Supersedes: 20/03/2017	Version: 1.3
Induct form If. Mature Induct form If. Mature Induct doe If. Clock Quidase Assay Kit (Bottle 2) Induct doe If. Clock Quidase Assay Kit (Bottle 2) Induct doe If. Clock Quidase Assay Kit (Bottle 2) Induct doe If. Clock Quidase Assay Kit (Bottle 2) Induct doe If. Clock Quidase Assay Kit (Bottle 2) Induct doe If. Clock Quidase Assay Kit (Bottle 2) Induct doe If. Second Quidase Assay Kit (Bottle 2) Induct doe If. Second Quidase Assay Kit (Bottle 2) Induct doe If. Second Quidase Assay Kit (Bottle 2) Induct doe If. Second Quidase Assay Kit (Bottle 2) Induct doe If. Second Quidase Assay Kit (Bottle 2) Induct doe If. Second Quidase Assay Kit (Bottle 2) Induct doe If. Second Quidase Assay Kit (Bottle 2) Induct doe If. Second Quidase Assay Kit (Bottle 2) Induct doe If. Second Quidase Assay Kit (Bottle 2) Induct doe If. Second Quidase Assay Kit (Bottle 2) Induct doe If. Second Quidase Assay Kit (Bottle 2) Induct doe If. Second Quidase Assay Kit (Bottle 2) Induct doe If. Second Quidase Assay Kit (Bottle 2) </td <td>SECTION 1: Identification of</td> <td>of the substance/mixtu</td> <td>ire and of the company</td> <td>/undertaking</td> <td></td>	SECTION 1: Identification of	of the substance/mixtu	ire and of the company	/undertaking	
radual form : Mkhure trodual code : Glucose Oxidase Assay Kit (Bottle 2) c. Relevant identified uses of the substance or mixture and uses advised against 2.1. Relevant identified uses so or other or other					
reduct code : K-GLOX (Bottle 2) 2.1 Relevant identified uses of the substance or mixture and uses advised against 2.1. Relevant identified uses fain use category : Professional use lee of the substance/mixture : Use as laboratory reagent 2.2. Luess advised against io io additional information available . . 3.3 Details of the supplier of the safety data sheet . Renufacturer Regazyme . Regazyme : +353 12861220.19 and to 5 pm GMT - Monday to Friday] Section : : +353 1286120.01 (Stote Safety Contexture) . Classification of the substance or mixture Description : : +353 1286120.01 (Stote Safety Contexture) Section : : : : Sestification according to Regulation (EC) No. 1272/2008 [CLP] : : isting according to Regulation (EC) No. 1272/2008 [CLP] : : isting according to Regulation (EC) No. 1272/2008 [CLP] : : isting according to Regulation (EC) No. 1272/2008 [CLP] : : istard pictograms (CLP	Product form	: Mixture			
2.1. Relevant identified uses of the substance or mixture and uses advised against 2.1. Relevant identified uses Iden use category Professional use Ise of the substance/mixture Use as laboratory reagent 2.2. Uses advised against Use as laboratory reagent Details of the subplier of the safety data sheet Refurcture Generation available Details of the subplier of the safety data sheet Refurcture Generation available Details of the subplier of the safety data sheet Refurcture Generation available Compary letephone number Integration according to Regulation (EC) No. 1272/2008 [CLP] Kin corresion/intation. Category 2 H315 Ferious eye damagelye initiation, Category H319 Uil let of H statements : see section 16 Adverse physicochemical, human health and environmental effects Baseling according to Regulation (EC) No. 1222/2008 [CLP] Kin and pictograms (CLP) is advision as serious eye initiation. H319 - Causes serious eye riftation. H319 - Causes serious eye riftation. H319 - Causes serious eye riftation.	Product name	: Glucose Oxic	dase Assay Kit (Bottle 2)		
2.1. Relevant identified uses Main use category :: Professional use ise of the substance/initure :: Use as laboratory reagent 2.2. Uses advised against ise as laboratory reagent ise of the substance/initure ::::::::::::::::::::::::::::::::::::	Product code		, ()		
2.1. Relevant identified uses Main use category :: Professional use ise of the substance/initure :: Use as laboratory reagent 2.2. Uses advised against ise as laboratory reagent ise of the substance/initure ::::::::::::::::::::::::::::::::::::					
tain use category :: Professional use tes of the substance/insture :: Use as laboratory reagent .2.1. Uses advised against : Use as laboratory reagent .2.2. Uses advised against : Use as laboratory reagent .3. Details of the supplier of the safety data sheet : Use as laboratory reagent Randfacturer ! Egazyme iggazyme : Ys53 12861220 (9 am to 5 pm GMT - Monday to Friday) .4. Emergency tolephone number : : : : : : : : : : : : : : : : : : :	.2. Relevant identified uses	of the substance or mixture	e and uses advised against		
lae of the substance/mixture : Use as laboratory reagent 2.2. Uses advised against to additional information available 3. Details of the supplier of the safety data sheet Margaryme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme Megazyme	.2.1. Relevant identified uses				
2.2. Uses advised against to additional information available 3. Details of the supplier of the safety data sheet Manufacturer Megazyme Sing Useliness Park 989 YV28 Bray - Ireland 989 YV28 Bray - Ireland 980 YV28 How - Ireland 980 YV	Main use category	: Professional	use		
be additional information available 3. Details of the supplier of the safety data sheet Manufacturer Menufacturer Manufacturer May XV29 Bray - Ireland 3.33 12861220. F -353 12861224 sogmegazyme.com - www.megazyme.com 4. Emergency telephone number imergency, number ct. Classification of the substance or mixture classification according to Regulation (EC) No. 1272/2008 [CLP] kin corresion/initation, Category 2 H315 earlow ed amage/eye irritation, Category H319 uill lext of H statements : see section 16 Worses physicochemical, human health and environmental effects causes skin irritation. Causes serious eye irritation. categories (CLP) eisard signal word (CLP) tazard biotegorams (CLP) tazard biotegorams (CLP) tazard biotegorams (CLP) tazard statements (CLP	Jse of the substance/mixture	: Use as labora	atory reagent		
be additional information available 3. Details of the supplier of the safety data sheet Manufacturer Menufacturer Manufacturer May XV29 Bray - Ireland 3.33 12861220. F -353 12861224 sogmegazyme.com - www.megazyme.com 4. Emergency telephone number imergency, number ct. Classification of the substance or mixture classification according to Regulation (EC) No. 1272/2008 [CLP] kin corresion/initation, Category 2 H315 earlow ed amage/eye irritation, Category H319 uill lext of H statements : see section 16 Worses physicochemical, human health and environmental effects causes skin irritation. Causes serious eye irritation. categories (CLP) eisard signal word (CLP) tazard biotegorams (CLP) tazard biotegorams (CLP) tazard biotegorams (CLP) tazard statements (CLP	I.2.2. Uses advised against				
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Rundacturer legazyme 98 YV29 Bray - Ireland 98 YV29 Bray - Ireland 99 YV29 Bray - Ireland 90 YV29 Fray - Ireland 90 YV29 Fray - Ireland 90 YV29 - Ireland 90 YV29 Fray - Ireland 90 YV29 - Ireland	.3. Details of the supplier of	f the safety data sheet			
immergency number : +353 12861220 (9 am to 5 pm GMT - Monday to Friday) SECTION 2: Hazards identification (1) Classification of the substance or mixture Classification according to Regulation (EC) No. 1272/2008 [CLP] iskin corrosion/irritation, Category 2 H315 iserious eye damage/eye irritation, Category H319 'ull text of H statements : see section 16 Vedverse physicochemical, human health and environmental effects causes skin irritation. Causes serious eye irritation. :2.2 Label elements abeling according to Regulation (EC) No. 1272/2008 [CLP] tazard pictograms (CLP) : itazard statements (CLP) : itazard statements (CLP) : tazard statements (CLP) : 'P264 - Wash hands thoroughly after handling, P280 - Waer eye protection, protective clothing, protective gloves P302+P352 - IF ON SKIN: Wash with pierty of water. P305+P351+P348 - IF IN EYES: Rines cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321 - Specific treatment (see supplemental first aid instruction on this label) P322 - Specific treatment (see supplemental first aid instruction on this label) P322 - Specific treatment (see supplemental first aid instruction on this label) P322 - Specific treatment (see supplemental first ad instruction on this label) P324 - Specific treatment (sees upplemental first ad instruction on this label) P325 - Specific	Manufacturer Megazyme Bray Business Park A98 YV29 Bray - Ireland Γ +353 12861220 - F +353 1286126	54			
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abelling according to: exemption for inner packaging where the contents do not exceed 10ml	2 Full text of H statements : see section Adverse physicochemical, human Causes skin irritation. Causes serion 2.2. Label elements Label lements Labelling according to Regulation Hazard pictograms (CLP) Hazard statements (CLP)	n health and environmental of us eye irritation. (EC) No. 1272/2008 [CLP] GHS07 : Warning : H315 - Cause H319 - Cause	es skin irritation. es serious eye irritation		
	2 Full text of H statements : see section Adverse physicochemical, human Causes skin irritation. Causes serion 2.2. Label elements Label elements Labelling according to Regulation Hazard pictograms (CLP) Signal word (CLP)	n health and environmental of us eye irritation. (EC) No. 1272/2008 [CLP] (GHS07 : Warning : H315 - Cause H319 - Cause : P264 - Wash P280 - Wear P302+P352 - P305+P351+ contact lense P321 - Speci	es skin irritation. es serious eye irritation hands thoroughly after handlir eye protection, protective cloth - IF ON SKIN: Wash with plenty, P338 - IF IN EYES: Rinse caut es, if present and easy to do. Co fic treatment (see supplementa	ing, protective gloves of water. iously with water for several m ontinue rinsing. I first aid instruction on this lat	
	Adverse physicochemical, human Causes skin irritation. Causes seriou 2.2. Label elements Cabelling according to Regulation Hazard pictograms (CLP) Hazard statements (CLP) Precautionary statements (CLP)	n 16 health and environmental of us eye irritation. (EC) No. 1272/2008 [CLP] GHS07 : Warning : H315 - Cause H319 - Cause	es skin irritation. es serious eye irritation hands thoroughly after handlir eye protection, protective cloth IF ON SKIN: Wash with plenty P338 - IF IN EYES: Rinse caut as, if present and easy to do. Co fic treatment (see supplementa - If skin irritation occurs: Get me	ing, protective gloves of water. iously with water for several m ontinue rinsing. I first aid instruction on this lat edical advice/attention.	oel)
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Other hazards 2.3.

No additional information available

Safety Data Sheet

according to Regulation (EU) 2015/830

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
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
Albumins, blood serum, BSA, Bovine Serum Albumin	(CAS-No.) 9048-46-8 (EC-No.) 232-936-2	10 - 20	Acute Tox. 4 (Oral), H302
HORSERADISH PEROXIDASE	(CAS-No.) 9003-99-0 (EC-No.) 232-668-6	0.1 - 1	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 to 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 medica	al attention and special treatment needed
Treat symptomatically.	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. Dry powder. Foam.
5.2. Special hazards arising from the su	ubstance 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	asures
6.1. Personal precautions, protective en	and a manufacture of a manufacture of the second
	dupment and emergency procedures
6.1.1. For non-emergency personnel	duipment and emergency procedures
6.1.1. For non-emergency personnel Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust.
· · · · · · · · · · · · · · · · · · ·	
Emergency procedures	
Emergency procedures 6.1.2. For emergency responders	 Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust. Do not attempt to take action without suitable protective equipment. For further information
Emergency procedures 6.1.2. For emergency responders Protective equipment	 Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust. Do not attempt to take action without suitable protective equipment. For further information
Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions	 Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions Avoid release to the environment.	 Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

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 stor	age
7.1.	Precautions for safe handling	g
Precau	tions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust.
Hygien	e measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse.
7.2.	Conditions for safe storage,	including any incompatibilities
Storage	e conditions	: Store in a well-ventilated place. Keep cool.
7.3.	Specific end use(s)	
No add	itional information available	
SECT	ION 8: Exposure controls	personal 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

Eye protection:

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

Skin and body protection:

Wear suitable protective clothing

Туре	Standard
Lab coat	

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

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.

SECTION 9: Physical an	d chemical properties
9.1. Information on basic	physical and chemical properties
Physical state	: Solid
Colour	: No data available
Odour	: No data available
Odour threshold	: No data available
рН	: No data available
12/02/2018	ENI (English)

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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	: No data available
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 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).			
10.5.	Incompatible materials		
No additional information available			
40.0			

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			
cute toxicity (dermal) : Not classified				
Acute toxicity (inhalation)	: Not classified			
4-Aminoantipyrine (83-07-8)				
LD50 oral rat	1700 mg/kg rat			
Skin corrosion/irritation	corrosion/irritation : Causes skin irritation.			
Serious eye damage/irritation	: Causes serious eye irritation.			
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	-repeated exposure : Not classified			
Aspiration hazard	: Not classified			

Safety Data Sheet

according to Regulation (EU) 2015/830

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			
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			
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 i	nformation 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 Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

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according to Regulation (EU) 2015/830

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 (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	
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.	
H335	May cause respiratory irritation.	
EUH208	Contains . May produce an allergic reaction.	

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.



Glucose Oxidase Assay Kit (Bottle 1) Safety Data Sheet according to Regulation (EU) 2015/830

	Date of issue: 05/06/2013	Revision date: 11/12/2017	Supersedes: 20/03/2017	Version: 1.3		
SECTION 1: Identification o	f the substance/mixtu	ire and of the company	/undertaking			
1.1. Product identifier						
Product form						
Product name	: Glucose Oxidase Assay Kit (Bottle 1)					
roduct code	: K-GLOX (Bottle 1)					
.2. Relevant identified uses of	of the substance or mixture	e and uses advised against				
.2.1. Relevant identified uses						
lain use category	: Professional	use				
se of the substance/mixture	: Use as labora	atory reagent				
.2.2. Uses advised against						
lo additional information available						
.3. Details of the supplier of	the safety data sheet					
lanufacturer						
Megazyme						
Bray Business Park A98 YV29 Bray - Ireland						
+353 12861220 - F +353 12861264						
<u>s@megazyme.com</u> - <u>www.megazyn</u>	<u>ne.com</u>					
.4. Emergency telephone nu	mber					
mergency number	: +353 128612	220 [9 am to 5 pm GMT - Mond	ay to Friday]			
ECTION 2: Hazards identif	ication					
.1. Classification of the subs						
lassification according to Regula		LP]				
cute toxicity (oral), Category 4	H302					
erious eye damage/eye irritation, Ca	ategory H318					
erious eye damage/eye irritation, Ca lazardous to the aquatic environmer	ategory H318					
Serious eye damage/eye irritation, Ca lazardous to the aquatic environmer Chronic Hazard, Category 3	ategory H318 nt — H412					
Serious eye damage/eye irritation, Ca Hazardous to the aquatic environmer Chronic Hazard, Category 3 Full text of H statements : see section	ategory H318 nt — H412 n 16					
Serious eye damage/eye irritation, Ca lazardous to the aquatic environmer Chronic Hazard, Category 3 full text of H statements : see section Adverse physicochemical, human	ategory H318 nt — H412 n 16 health and environmental		rc -			
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Labelling according to: exemption for packages of a capacity of 125ml or less			
Hazard pictograms (CLP)			
	GHS05 GHS07		
Signal word (CLP)	: Danger		
Hazardous ingredients	: 4-HYDROXYBENZOIC ACID; sodium azide		
Hazard statements (CLP)	: H302 - Harmful if swallowed. H318 - Causes serious eye damage. H412 - Harmful to aquatic life with long lasting effects.		
Precautionary statements (CLP)	 P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P280 - Wear protective gloves/protective clothing/eye protection/face protection P301+P312 - IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTRE/doctor/ P330 - Rinse mouth. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. 		
EUH-statements	: EUH032 - Contact with acids liberates very toxic gas.		

2.3. Other hazards

No additional information available

SECTI	ON 3: Composition/information on ingredients
3.1.	Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
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	(CAS-No.) 26628-22-8 (EC-No.) 247-852-1 (EC Index-No.) 011-004-00-7	0.1 - 1	Acute Tox. 2 (Oral), H300 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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.		
First-aid measures after skin contact	: Wash skin with plenty of water.		
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and do. Continue rinsing. Call a physician immediately.			
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell. Rinse mouth.		
4.2. Most important symptoms and effe	ects, both acute and delayed		
Symptoms/effects after eye contact	: Serious damage to eyes.		
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.		

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5.2. Special hazards arising from the substance or mixture				
Hazardous decomposition produ	azardous decomposition products in case of E Toxic fumes may be released.			
5.3. Advice for firefighter	rs			
Protection during firefighting	: Do not attempt to take apparatus. Complete p	action without suitable protective equipment. Self-contained breathing rotective clothing.		
SECTION 6: Accidental	release measures			
6.1. Personal precaution	s, protective equipment and emergency	procedures		
6.1.1. For non-emergency	personnel	sonnel		
Emergency procedures		Avoid contact with skin and eyes.		
6.1.2. For emergency resp	ondoro			
6.1.2. For emergency responses of the second	: Do not attempt to take	action without suitable protective equipment. For further information osure controls/personal protection".		
6.2. Environmental preca				
6.3. Methods and materia	al for containment and cleaning up			
Methods for cleaning up	: Take up liquid spill into	absorbent material.		
Other information	: Dispose of materials o	r solid residues at an authorized site.		
6.4. Reference to other s	ections			
For further information refer to s	ection 13.			
SECTION 7: Handling ar	nd storage			
7.1. Precautions for safe				
Precautions for safe handling	· ·	n of the work station. Wear personal protective equipment. Avoid contact		
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling product.		oke when using this product. Always wash hands after handling the		
7.2. Conditions for safe s	storage, including any incompatibilities			
Storage conditions	: Store in a well-ventilat	ed place. Keep cool.		
7.3. Specific end use(s)				
No additional information availab	ble			
SECTION 8: Exposure c	ontrols/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

Eye protection:

Safety glasses

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

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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	: No data available	
Odour threshold	: No data available	
pH	: 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	: No data available	
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	ty	
10.1 Reactivity		

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

Contact with acids liberates very toxic gas.

10.4. Conditions to avoid

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

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10.5. Incompatible materials Acids. Incompatible materials

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological informa	tion				
11.1. Information on toxicological effect	11.1. Information on toxicological effects				
Acute toxicity (oral)	: Oral: Harmful if swallowed.				
Acute toxicity (dermal)	: Not classified				
Acute toxicity (inhalation)	: Not classified				
ATE CLP (oral)	1250 mg/kg bodyweight				
Skin corrosion/irritation	: Not classified				
Serious eye damage/irritation	: Causes serious eye damage.				
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	on
12.1. Toxicity	
Ecology - general	: Harmful to aquatic life with long lasting effects. Harmful to aquatic life.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Harmful to aquatic life with long lasting effects.
12.2. Persistence and degradability	

No addi	tional information available
12.3.	Bioaccumulative potential
No addi	tional information available
12.4.	Mobility in soil
No addi	tional information available
12.5.	Results of PBT and vPvB assessment
No addi	tional information available
12.6.	Other adverse effects
No addi	tional 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

In accordance with ADR / ND / 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	

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ADR	ΙΑΤΑ	
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 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. 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	
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation	
H300	Fatal if swallowed.	
H302	Harmful if swallowed.	
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.	
H412	Harmful 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.