

Glycerol GK Assay Kit

Kit Safety Information Sheet

Date of issue: 28/11/2013

Revision date: 08/12/2017

Supersedes: 06/09/2016

Version: 1.3

SECT	ION 1: Kit identifica	ition
1.1.	Kit identifier	
Product Product		: Glycerol GK Assay Kit : K-GCROLGK
1.2.		r 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]
Glycerol GK Assay Kit (Bottle 2)	Reagent	2	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
Glycerol GK Assay Kit (Bottle 1)	Buffer	1	pcs (pieces)
Glycerol GK Assay Kit (Bottle 3)	Reagent	1	pcs (pieces)
Glycerol GK Assay Kit (Bottle 4)	Reagent	1	pcs (pieces)
Glycerol GK Assay Kit (Bottle 5)	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

SECTION 7: Fire fighting measures

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

No data available



Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 28/11/2013 Revision date: 17/01/2018 Supersedes: 06/09/2016 Version: 1.3 SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1. **Product identifier** Product form : Mixture Product name : Glycerol GK Assay Kit (Bottle 5) Product code : K-GCROLGK (Bottle 5) 1.2. Relevant identified uses of the substance or mixture and uses advised against **Relevant identified uses** 1.2.1. Industrial/Professional use spec : For professional use only Use of the substance/mixture : Use as laboratory reagent 1.2.2. Uses advised against No additional information available Details of the supplier of the safety data sheet 1.3. Manufacturer Megazyme Bray Business Park A98 YV29 Bray - Ireland T +353 12861220 - F +353 12861264 cs@megazyme.com - www.megazyme.com **Emergency telephone number** 1.4. : +353 12861220 [9 am to 5 pm GMT - Monday to Friday] Emergency number **SECTION 2: Hazards identification** 2.1. Classification of the substance or mixture Classification according to Regulation (EC) No. 1272/2008 [CLP] Not classified Adverse physicochemical, human health and environmental effects To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice 2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] : EUH032 - Contact with acids liberates very toxic gas. **EUH-statements** Labelling according to: exemption for inner packaging where the contents do not exceed 10ml No labelling required 23 **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	3	
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.	

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according to Regulation (EU) 2015/830

4.2. Most important symptoms and effects	s, both acute and delayed				
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. Carbon dioxide.				
5.2. Special hazards arising from the subs	stance 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 measu	Ires				
6.1. Personal precautions, protective equi	pment 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 containment	t and 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, including	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/perso	nal 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

Safety Data Sheet

according to Regulation (EU) 2015/830

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 chemica	Il properties
9.1. Information on basic physical and	d chemical properties
Physical state	: Liquid
Colour	: Colourless.
Odour	: None.
Odour threshold	: No data available
рН	: 7.4
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	ity
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.

Safety Data Sheet

according to Regulation (EU) 2015/830

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 info	
11.1. Information on toxicological	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
	pH: 7.4
Serious eye damage/irritation	: Not classified
	pH: 7.4
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 inform	hation
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	

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	

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 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:	
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.



Glycerol GK Assay Kit (Bottle 4) Safety Data Sheet

according to Regulation (EU) 2015/830

Megazyme	Date of issue: 28/11/2013 Revision date: 17/01/2018 Supersedes: 06/09/2016 Version: 1.3
SECTION 1: Identification of	the substance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Mixture
Product name	: Glycerol GK Assay Kit (Bottle 4)
Product code	: K-GCROLGK (Bottle 4)
1.2. Relevant identified uses of	of the substance or mixture and uses advised against
1.2.1. Relevant identified uses	
Industrial/Professional use spec	: For professional use only
Use of the substance/mixture	: Use as laboratory reagent
1.2.2. Uses advised against	
No additional information available	
1.3. Details of the supplier of the supplication of the supplicati	he safety data sheet
Megazyme Bray Business Park A98 YV29 Bray - Ireland T +353 12861220 - F +353 12861264 <u>cs@megazyme.com</u> - <u>www.megazyme</u>	
1.4. Emergency telephone num	nber
Emergency number	: +353 12861220 [9 am to 5 pm GMT - Monday to Friday]
SECTION 2: Hazards identifie	cation
2.1. Classification of the subst	
Classification according to Regulati Not classified	ion (EC) No. 1272/2008 [CLP]
Adverse physicochemical, human h To our knowledge, this product does n practice.	health and environmental effects not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety
2.2. Label elements	
Labelling according to Regulation (I EUH-statements	(EC) No. 1272/2008 [CLP] : EUH032 - Contact with acids liberates very toxic gas.
	for inner packaging where the contents do not exceed 10ml
No labelling required	
2.3. Other hazards	
Z.S. Other hazarus	
No additional information available	
	formation on ingredients
No additional information available	formation on ingredients
No additional information available SECTION 3: Composition/inf	formation on ingredients
No additional information available SECTION 3: Composition/inf 3.1. Substances	formation on ingredients

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.

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 a Treat symptomatically.	ttention and special treatment needed
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
	Water spray. Dry powder. Foam. Carbon dioxide.
5.2. Special hazards arising from the subs	tance or mixture
	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 measu	ires
6.1. Personal precautions, protective equi	pment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	Ventilate spillage area.
6.1.2. For emergency responders	
	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 containment	t 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, including	
Storage conditions	Store in a well-ventilated place. Keep cool.
7.3. Specific end use(s)	
No additional information available	
SECTION 8: Exposure controls/persor	nal 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

Safety Data Sheet

according to Regulation (EU) 2015/830

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	l properties
9.1. Information on basic physical and	chemical properties
Physical state	: Liquid
Colour	: milky.
Odour	: None.
Odour threshold	: No data available
рН	: 7.4
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 reactivit	y
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.

Safety Data Sheet

according to Regulation (EU) 2015/830

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 informa	
11.1. Information on toxicological effects	S
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
	pH: 7.4
Serious eye damage/irritation	: Not classified
	pH: 7.4
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	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 establishes at information evaluated	

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

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 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:	
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.



Glycerol GK Assay Kit (Bottle 3) Safety Data Sheet

according to Regulation (EU) 2015/830

SECTION 1: Identification of 1.1. Product identifier Product form Product name Product code 1.2. Relevant identified uses of 1.2.1. Relevant identified uses Industrial/Professional use spec Use of the substance/mixture 1.2.2. Uses advised against No additional information available 1.3. Details of the supplier of t	: Mixture : Glycerol GK / : K-GCROLGK	Assay Kit (Bottle 3) ((Bottle 3) a and uses advised against nal use only	//undertaking	
Product form Product name Product code 1.2. Relevant identified uses of 1.2.1. Relevant identified uses Industrial/Professional use spec Use of the substance/mixture 1.2.2. Uses advised against No additional information available	: Glycerol GK : K-GCROLGK f the substance or mixture : For professio	(Bottle 3) e and uses advised against nal use only		
Product name Product code 1.2. Relevant identified uses of 1.2.1. Relevant identified uses ndustrial/Professional use spec Jse of the substance/mixture 1.2.2. Uses advised against No additional information available	: Glycerol GK : K-GCROLGK f the substance or mixture : For professio	(Bottle 3) e and uses advised against nal use only		
Product code I.2. Relevant identified uses of I.2.1. Relevant identified uses Industrial/Professional use spec Jse of the substance/mixture I.2.2. Uses advised against No additional information available	: K-GCROLGK	(Bottle 3) e and uses advised against nal use only		
I.2.Relevant identified uses ofI.2.1.Relevant identified usesndustrial/Professional use specJse of the substance/mixtureI.2.2.Uses advised againstNo additional information available	f the substance or mixture	e and uses advised against		
I.2.1.Relevant identified usesndustrial/Professional use specJse of the substance/mixtureI.2.2.Uses advised againstNo additional information available	: For professio	nal use only		
ndustrial/Professional use spec Jse of the substance/mixture 1.2.2. Uses advised against No additional information available	•	,		
Use of the substance/mixture 1.2.2. Uses advised against No additional information available	•	,		
1.2.2. Uses advised against No additional information available	: Use as labora			
No additional information available		atory reagent		
1.3. Details of the supplier of t				
	he safety data sheet			
Manufacturer Megazyme Bray Business Park A98 YV29 Bray - Ireland T +353 12861220 - F +353 12861264 <u>cs@megazyme.com</u> - <u>www.megazym</u>	e.com			
1.4. Emergency telephone nur	nber			
Emergency number	: +353 128612	20 [9 am to 5 pm GMT - Mono	day to Friday]	
SECTION 2: Hazards identifi	cation			
2.1. Classification of the subs	tance or mixture			
Classification according to Regulat Not classified	ion (EC) No. 1272/2008 [C	LP]		
Adverse physicochemical, human I To our knowledge, this product does r practice.			cordance with good occupation	al hygiene and safet
2.2. Label elements				
Labelling according to Regulation (EC) No. 1272/2008 [CLP]			
EUH-statements	: EUH032 - Co	ontact with acids liberates very	toxic gas.	
Labelling according to: exemption	for inner packaging where	the contents do not exceed	10ml	
No labelling required				
2.3. Other hazards No additional information available				
SECTION 3: Composition/in	formation on ingredie	ents		
3.1. Substances				
Not applicable				
3.2. Mixtures				

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.

Safety Data Sheet

according to Regulation (EU) 2015/830

4.2. Most important symptoms and effects	s, both acute and delayed
No additional information available	
	ttention 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 subs	stance 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 measu	Ires
6.1. Personal precautions, protective equi	pment 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 containment	t and 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, including	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/perso	nal 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

Safety Data Sheet

according to Regulation (EU) 2015/830

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	chemical properties	
Physical state	: Liquid	
Colour	: milky.	
Odour	: None.	
Odour threshold	: No data available	
рН	: 7.4	
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	у	
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.

Safety Data Sheet

according to Regulation (EU) 2015/830

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 info				
11.1. Information on toxicological				
Acute toxicity (oral)	: Not classified			
Acute toxicity (dermal)	: Not classified			
Acute toxicity (inhalation)	: Not classified			
Skin corrosion/irritation	: Not classified			
	pH: 7.4			
Serious eye damage/irritation	: Not classified			
	pH: 7.4			
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 inform	hation			
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				

No additi	onal information available
12.4.	Mobility in soil
No additi	onal information available
12.5.	Results of PBT and vPvB assessment
No additi	onal information available
12.6.	Other adverse effects
No additi	onal information available
SECTION	ON 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

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 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:	
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 Date of issue: 28/11/2013 Revisi Revision date: 17/01/2018

Megazyme	according to Regulation (EU) 2		Supercedee: 06/00/2016	Version: 1.2
	Date of issue: 28/11/2013	Revision date: 17/01/2018	Supersedes: 06/09/2016	Version: 1.3
SECTION 1: Identification	of the substance/mixtur	e and of the company/	undertaking	
1.1. Product identifier	. Minderma			
Product form Product name	: Mixture	anny Kit (Pottlo 2)		
Product name Product code	: K-GCROLGK	ssay Kit (Bottle 2) (Bottle 2)		
	. R-OCROEOR	(Dottie Z)		
1.2. Relevant identified uses	s of the substance or mixture	and uses advised against		
1.2.1. Relevant identified uses	5			
Industrial/Professional use spec	: For profession	al use only		
Use of the substance/mixture	: Use as laborat	tory reagent		
1.2.2. Uses advised against				
No additional information available				
1.3. Details of the supplier of	f the safety data sheet			
Manufacturer Megazyme Bray Business Park A98 YV29 Bray - Ireland T +353 12861220 - F +353 1286120 cs@megazyme.com - www.megazy	/me.com			
1.4. Emergency telephone n				
Emergency number	: +353 1286122	0 [9 am to 5 pm GMT - Monda	ay to Friday]	
SECTION 2: Hazards ident	ification			
2.1. Classification of the sub	ostance or mixture			
Classification according to Regu	lation (EC) No. 1272/2008 [CL	P]		
Acute toxicity (oral), Category 4	H302			
Hazardous to the aquatic environme Chronic Hazard, Category 3				
Full text of H statements : see section	on 16			
Adverse physicochemical, human Harmful if swallowed. Harmful to aq				
2.2. Label elements				
Labelling according to Regulation Hazard pictograms (CLP)	n (EC) No. 1272/2008 [CLP]			
Signal word (CLD)	GHS07			
Signal word (CLP) Hazardous ingredients	: Warning : sodium azide			
Hazard statements (CLP)	: H302 - Harmfu	Il if swallowed		
		I to aquatic life with long lastir	ng effects.	
Precautionary statements (CLP)	P270 - Do not P273 - Avoid r P301+P312 - I P330 - Rinse r P501 - Dispos	nands thoroughly after handlin eat, drink or smoke when usir elease to the environment. IF SWALLOWED: Call a POIS nouth. e of contents/container to haze th local, regional, national and	g this product. ON CENTRE or doctor if you ardous or special waste collec	
EUH-statements	: EUH032 - Cor	tact with acids liberates very t	oxic gas.	
Labelling according to: exemptio	n for inner packaging where t	the contents do not exceed	10ml	
Hazardous ingredients	: sodium azide			

Safety Data Sheet

according to Regulation (EU) 2015/830

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1.	Substances	<u>_</u>		
Not app	licable			

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	: Rinse mouth. Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and effect	s, both acute and delayed
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.
5.2. Special hazards arising from the sub	stance 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	ures
6.1. Personal precautions, protective equ	ipment 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 containmen	nt and cleaning up
Methods for cleaning up	: Mechanically recover the product.
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.
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Safety Data Sheet

according to Regulation (EU) 2015/830

: 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

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

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Co	trol 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	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		
d chemical properties		
: Solid		
: white.		
: None.		
: No data available		
: No data available		
: No data available		

Safety Data Sheet

according to Regulation (EU) 2015/830

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

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 (under normal conditions.
10.3.	Possibility of hazardous reactions
Contact	t 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
Undorr	permal conditions of storage and use, bazardous decomposition products should not be produced

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)	956.0229445507 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	: Harmful to aquatic life with long lasting effects. Harmful to aquatic life.

Safety Data Sheet

Acute ac	quatic toxicity	: Not classified	
Chronic	aquatic toxicity	: Harmful to aquatic life	e with long lasting effects.
2.2.	Persistence and degradability		
lo addit	ional information available		
2.3.	Bioaccumulative potential		
√o addit	ional information available		
2.4.	Mobility in soil		
lo addit	ional information available		
2.5.	Results of PBT and vPvB assessme	ent	
√ o addit	ional information available		
2.6.	Other adverse effects		
lo addit	ional information available		
SECTI	ON 13: Disposal consideratio	ns	
	ON 13: Disposal consideratio Waste treatment methods	ns	
13.1.			container in accordance with licensed collector's sorting instructions.
<mark>13.1.</mark> Waste tr	Waste treatment methods eatment methods	: Dispose of contents/c	container in accordance with licensed collector's sorting instructions.
13.1. Vaste tr SECTI	Waste treatment methods	: Dispose of contents/o	container in accordance with licensed collector's sorting instructions.
I3.1. Vaste tr SECTI n accord	Waste treatment methods eatment methods ON 14: Transport information	: Dispose of contents/o	container in accordance with licensed collector's sorting instructions.
3.1. Vaste tr SECTI n accord ADR 4.1.	Waste treatment methods eatment methods ON 14: Transport information dance with ADR / RID / IMDG / IATA / A UN number	: Dispose of contents/o	ΙΑΤΑ
3.1. Vaste tro SECTI n accord ADR 4.1. Not appl	Waste treatment methods eatment methods ON 14: Transport information dance with ADR / RID / IMDG / IATA / A UN number icable	: Dispose of contents/o	
3.1. Vaste tro SECTI n accord ADR 4.1. Not appl 4.2.	Waste treatment methods eatment methods ON 14: Transport information dance with ADR / RID / IMDG / IATA / A UN number icable UN proper shipping name	: Dispose of contents/o	IATA Not applicable
3.1. Vaste tr SECTI n accord ADR 4.1. Not appl 4.2. Not appl	Waste treatment methods eatment methods ON 14: Transport information dance with ADR / RID / IMDG / IATA / A UN number icable UN proper shipping name icable	: Dispose of contents/o	ΙΑΤΑ
3.1. Vaste tr SECTI n accord ADR 4.1. Not appl 4.2. Not appl 4.3.	Waste treatment methods eatment methods ON 14: Transport information dance with ADR / RID / IMDG / IATA / A UN number icable UN proper shipping name icable Transport hazard class(es)	: Dispose of contents/o	IATA Not applicable Not applicable
I 3.1. Waste tr SECTI n accord ADR I4.1. Not appl I4.2. Not appl I4.3. Not appl	Waste treatment methods eatment methods ON 14: Transport information dance with ADR / RID / IMDG / IATA / A UN number icable UN proper shipping name icable Transport hazard class(es) icable	: Dispose of contents/o	IATA Not applicable
3.1. Vaste tr SECTI n accord ADR 4.1. Not appl 4.2. Not appl 4.3. Not appl 4.4.	Waste treatment methods eatment methods ON 14: Transport information dance with ADR / RID / IMDG / IATA / A UN number icable UN proper shipping name icable Transport hazard class(es) icable Packing group	: Dispose of contents/o	IATA Not applicable Not applicable
3.1. Waste tr SECTI n accord ADR 44.1. Not appl 44.2. Not appl 44.3. Not appl 44.3. Not appl 44.4. Not appl	Waste treatment methods eatment methods ON 14: Transport information dance with ADR / RID / IMDG / IATA / A UN number icable UN proper shipping name icable Transport hazard class(es) icable Packing group icable	: Dispose of contents/o	IATA Not applicable Not applicable
3.1. Vaste tr SECTI n accord ADR 4.1. Jot appl 4.2. Jot appl 4.3. Jot appl 4.4. Jot appl 4.4. Jot appl 4.5.	Waste treatment methods eatment methods ON 14: Transport information dance with ADR / RID / IMDG / IATA / A UN number icable UN proper shipping name icable Transport hazard class(es) icable Packing group icable Environmental hazards	: Dispose of contents/o	IATA Not applicable Not applicable Not applicable
I3.1. Vaste tr SECTI	Waste treatment methods eatment methods ON 14: Transport information dance with ADR / RID / IMDG / IATA / A UN number icable UN proper shipping name icable Transport hazard class(es) icable Packing group icable Environmental hazards	: Dispose of contents/c	IATA Not applicable Not applicable

- 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

EN (English)

Safety Data Sheet

according to Regulation (EU) 2015/830

Full text of H- and EUH-state	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.



Safety Data Sheet

according to Regulation (EU) 2015/830 Date of issue: 28/11/2013

Revision date: 08/12/2017 Supersedes: 06/09/2016 Version: 1.3 SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1. **Product identifier** Product form : Mixture Product name : Glycerol GK Assay Kit (Bottle 1) Product code : K-GCROLGK (Bottle 1) 1.2. Relevant identified uses of the substance or mixture and uses advised against **Relevant identified uses** 1.2.1. Industrial/Professional use spec : For professional use only Use of the substance/mixture : Use as laboratory reagent 1.2.2. Uses advised against No additional information available Details of the supplier of the safety data sheet 1.3. Manufacturer Megazyme Bray Business Park A98 YV29 Bray - Ireland T +353 12861220 - F +353 12861264 cs@megazyme.com - www.megazyme.com **Emergency telephone number** 1.4. : +353 12861220 [9 am to 5 pm GMT - Monday to Friday] Emergency number **SECTION 2: Hazards identification** 2.1. Classification of the substance or mixture Classification according to Regulation (EC) No. 1272/2008 [CLP] Not classified Adverse physicochemical, human health and environmental effects To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice. Label elements 2.2. Labelling according to Regulation (EC) No. 1272/2008 [CLP] **EUH-statements** : EUH032 - Contact with acids liberates very toxic gas. 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 effec	ts, 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 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 s	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 me	asures	
6.1. Personal precautions, protective e	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	nent 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, inclue	ding 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/per	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:		

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

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	Type P1	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	: Colourless.	
Odour	: None.	
Odour threshold	: No data available	
pH	: 7.4	
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		

SECH	SECTION 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	nder 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).

Safety Data Sheet

according to Regulation (EU) 2015/830

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 info	ormation
11.1. Information on toxicological	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified pH: 7.4
Serious eye damage/irritation	: Not classified pH: 7.4
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 inform	hation
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	у
No additional information available	
12.3. Bioaccumulative potential	

No additional information available

12.4. Mobility in soil

No additional information available

Results of PBT and vPvB assessment 12.5.

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	
15/03/2018	EN (English)	27/28

Safety Data Sheet

according to Regulation (EU) 2015/830

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. Ch	nemical safety assessment
No chemical	safety assessment has been carried out
SECTION	16: Other information

Full text of H- and EUH-statements:

 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.