

Phytic Acid (Total Phosphorus)

Kit Safety Information Sheet

Date of issue: 28/11/2013

Revision date: 16/01/2018

Supersedes: 06/09/2016

Version: 1.3

SECTION 1: Kit identificat	on	
1.1. Kit identifier		
Product name	: Phytic Acid (Total Phosphorus)	
Product code	: K-PHYT	
.2. Details of the supplier	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 Kit should be handled in accordance with good laboratory practices and appropriate personal protective equipment should be used

SECTION 3: Kit contents

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
Phytic Acid (Total Phosphorus) Assay Kit (Bottle 6)	Reagent	1	pcs (pieces)
Phytic Acid (Total Phosphorus) Assay Kit (Bottle 1)	Buffer	1	pcs (pieces)
Phytic Acid (Total Phosphorus) Assay Kit (Bottle 2)	Reagent	1	pcs (pieces)
Phytic Acid (Total Phosphorus) Assay Kit (Bottle 3)	Reagent	1	pcs (pieces)
Phytic Acid (Total Phosphorus) Assay Kit (Bottle 4)	Reagent	1	pcs (pieces)
Phytic Acid (Total Phosphorus) 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 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



Megazyme	6) Safety Data Sheet according to Regulation (EU) 20	-	orus) Assay K	it (Bottle
	Date of issue: 28/11/2013	Revision date: 05/01/2018	Supersedes: 06/09/2016	Version: 1.3
SECTION 1: Identification of	the substance/mixture	e and of the company/	undertaking	
1.1. Product identifier	.			
Product form	: Mixture			
Product name	•	tal Phosphorus) Assay Kit (Bo	ottle 6)	
Product code	: K-PHYT (Bottle	6)		
1.2. Relevant identified uses of	f the substance or mixture a	and uses advised against		
1.2.1. Relevant identified uses				
Industrial/Professional use spec	: For professiona	al use only		
Use of the substance/mixture	: Use as laborate	ory reagent		
1.2.2. Uses advised against				
No additional information available				
1.3. Details of the supplier of t	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.megazym</u>	e.com			
1.4. Emergency telephone nun	nber			
Emergency number	: +353 12861220) [9 am to 5 pm GMT - Monda	ay to Friday]	
SECTION 2: Hazards identified	cation			
2.1. Classification of the subst	ance or mixture			
Classification according to Regulat Not classified	ion (EC) No. 1272/2008 [CLP	1		
Adverse physicochemical, human h	ealth and environmental eff	fects		
To our knowledge, this product does n practice.	ot present any particular risk,	provided it is handled in acco	ordance with good occupation	al hygiene and safety
2.2. Label elements				
Labelling according to Regulation (EC) No. 1272/2008 [CLP]			
No labelling applicable				
Labelling according to: exemption f	or inner packaging where the	ne contents do not exceed ?	10ml	
No labelling required				
2.3. Other hazards				
No additional information available				
SECTION 3: Composition/inf	ormation on ingredien	its		
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.

Safety Data Sheet

according to Regulation (EU) 2015/830

4.2. Most important symptoms and effect No additional information available	ts, both acute and delayed
	I attention and appoint treatment peopled
4.3. Indication of any immediate medical Treat symptomatically.	l attention and special treatment needed
SECTION 5: Firefighting measures	
5.1. Extinguishing media Suitable extinguishing media	: Water spray. Dry powder. Foam.
5.2. Special hazards arising from the sul Hazardous decomposition products in case of fire	: Toxic fumes may be released.
5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTION 6: Accidental release meas	sures
6.1. Personal precautions, protective eq	uipment 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 containme	ent 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 Hygiene measures	 Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, including	ng any incompatibilities
Storage conditions	: Store in a well-ventilated place. Keep cool.
7.3. Specific end use(s)	
No additional information available	
SECTION 8: Exposure controls/pers	onal protection
8.1. Control parameters	
No additional information available	
8.2. Exposure controls	
Appropriate engineering controls:	
Appropriate engineering controlo.	

Hand protection:

Protective gloves

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

Eye protection:

Safety glasses

Safety Data Sheet

according to Regulation (EU) 2015/830

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	chemical properties		
Physical state	: Solid		
Colour	: No data available on colour.		
Odour	: None.		
Odour threshold	: No data available		
рН	: No data available		
Relative evaporation rate (butylacetate=1)	: No data available		
Melting point	: No data available		
Freezing point	: Not applicable		
Boiling point	: No data available		
Flash point	: Not applicable		
Auto-ignition temperature	: Not applicable		
Decomposition temperature	: No data available		
Flammability (solid, gas)	: Non flammable.		
Vapour pressure	: No data available		
Relative vapour density at 20 °C	: No data available		
Relative density	: Not applicable		
Solubility	: Soluble in water.		
Log Pow	: No data available		
Viscosity, kinematic	: Not applicable		
Viscosity, dynamic	: No data available		
Explosive properties	: No data available		
Oxidising properties	: No data available		
Explosive limits	: Not applicable		

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal 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.

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

No additional information available

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information	tion
11.1. Information on toxicological effects	3
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
SECTION 12: Ecological information	1
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified

12.2.	Persistence and degradability
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
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	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

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ADR	ΙΑΤΑ
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.



5) Safety Data Sheet

Megazyme	according to Regulation (EU) 2015/830 Date of issue: 28/11/2013 Revision date: 05/01/2018 Supersedes: 06/09/2016 Version: 1.3
SECTION 1: Identifica	ation of the substance/mixture and of the company/undertaking
1.1. Product identifier	r
Product form	: Mixture
Product name	: Phytic Acid (Total Phosphorus) Assay Kit (Bottle 5)
Product code	: K-PHYT (Bottle 5)
1.2. Relevant identifie	ed uses of the substance or mixture and uses advised against
1.2.1. Relevant identifie	ed uses
Industrial/Professional use s	spec : For professional use only
Use of the substance/mixture	e : Use as laboratory reagent
1.2.2. Uses advised aga	ainst
No additional information av	ailable
1.3. Details of the sup	pplier of the safety data sheet
Bray Business Park A98 YV29 Bray - Ireland T +353 12861220 - F +353 1 <u>cs@megazyme.com</u> - <u>www.</u>	
1.4. Emergency telep	hone number
Emergency number	: +353 12861220 [9 am to 5 pm GMT - Monday to Friday]
SECTION 2: Hazards	identification
2.1. Classification of	the substance or mixture
Classification according to Not classified	o Regulation (EC) No. 1272/2008 [CLP]
	, human health and environmental effects uct does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety
2.2. Label elements	
Labelling according to Reg	gulation (EC) No. 1272/2008 [CLP]
EUH-statements	: EUH032 - Contact with acids liberates very toxic gas.
2.3. Other hazards	
No additional information av	ailable
SECTION 3: Compos	ition/information on ingredients
3.1. Substances	
Not applicable	

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 eff	ects, both acute and delayed

No additional information available

Safety Data Sheet

according to Regulation (EU) 2015/830

4.3.	Indication of any immediate medica	I attention and special treatment needed
Treat s	ymptomatically.	
SECT	ION 5: Firefighting measures	
5.1.	Extinguishing media	
Suitable	e extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
5.2.	Special hazards arising from the su	bstance or mixture
Hazard fire	ous decomposition products in case of	: Toxic fumes may be released.
5.3.	Advice for firefighters	
Protect	on during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECT	ION 6: Accidental release mea	sures
6.1.	Personal precautions, protective ec	uipment and emergency procedures
6.1.1.	For non-emergency personnel	
Emerge	ency procedures	: Ventilate spillage area.
6.1.2.	For emergency responders	
Protect	ve 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 r	elease to the environment.	
6.3.	Methods and material for containm	ent and cleaning up
Method	s for cleaning up	: Take up liquid spill into absorbent material.
Other in	nformation	: Dispose of materials or solid residues at an authorized site.
6.4.	Reference to other sections	
For furt	her information refer to section 13.	
SECT	ION 7: Handling and storage	
7.1.	Precautions for safe handling	
	tions for safe handling e measures	 Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2.	Conditions for safe storage, includi	ng any incompatibilities
Storage	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/pers	onal protection
8.1.	Control parameters	
No add	itional information available	
8.2.	Exposure controls	
Approp	priate engineering controls:	
Ensure	good ventilation of the work station.	
Hand n	rotection:	
-	ve gloves	

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

Eye protection:

Safety glasses

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

Safety Data Sheet

according to Regulation (EU) 2015/830

Skin and body protection:

Wear suitable protective clothing

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	l properties	
9.1. Information on basic physical and chemical properties		
Physical state	: Liquid	
Colour	: No data available on colour.	
Odour	: None.	
Odour threshold	: No data available	
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	: 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	tv	

SECTION TO: 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

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.

SECTIO	N 11: Toxicological inf	ormation
	nformation on toxicological	
Acute toxic	ity (oral)	: Not classified
Acute toxic	ity (dermal)	: Not classified
Acute toxic	ity (inhalation)	: Not classified
Skin corros	ion/irritation	: Not classified
Serious eye	e damage/irritation	: Not classified
Respiratory	or skin sensitisation	: Not classified
Germ cell n	nutagenicity	: Not classified
Carcinoger	nicity	: Not classified
Reproductiv	ve toxicity	: Not classified
STOT-singl	le exposure	: Not classified
STOT-repe	ated exposure	: Not classified
Aspiration I	hazard	: Not classified

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified
12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessme	int
No additional information available	
12.6. Other adverse effects	
No additional information available	
SECTION 13: Disposal consideration	1S
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 / A	DN
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 explored
Not applicable	Not applicable

Not applicable

Not applicable

Environmental hazards

14.5.

Safety Data Sheet

according to Regulation (EU) 2015/830

ADR	ΙΑΤΑ
	No supplementary information available
14.6.	Special precautions for user
- Overla	and transport
Not app	blicable
- Air tra	ansport
Not app	olicable
14.7.	Transport in bulk according to Annex II of Marpol and the IBC Code
Not app	blicable
SECT	ION 15: Regulatory information
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
15.1.1.	EU-Regulations
Contair	ns no REACH substances with Annex XVII restrictions
Contair	ns no substance on the REACH candidate list
Contair	ns no REACH Annex XIV substances
15.1.2.	National regulations
No add	itional information available
15.2.	Chemical safety assessment
No che	mical safety assessment has been carried out
SECT	TON 16: Other information

Full text of H- and EUH-statements:

EUH032 Contact with acids liberates very toxic gas.	 	
	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.



4) Safety Data Sheet

Megazyme	Safety Data Shee according to Regulation (EU) 2 Date of issue: 28/11/2013		Supersedes: 06/09/2016	Version: 1.3
SECTION 1: Identification			•	
1.1. Product identifier		e and of the company	rundentaking	
Product form	: Mixture			
Product name		otal Phosphorus) Assay Kit (E	sottle 1)	
Product code	: K-PHYT (Bottle			
1.2. Relevant identified use	es of the substance or mixture	and uses advised against		
1.2.1. Relevant identified use		.		
Industrial/Professional use spec	: For profession	al use only		
Use of the substance/mixture	: Use as laborat	-		
		lory reagent		
1.2.2. Uses advised against				
No additional information available				
	of the safety data sheet			
Megazyme Bray Business Park A98 YV29 Bray - Ireland T +353 12861220 - F +353 128612 cs@megazyme.com - www.megaz				
1.4. Emergency telephone	number			
Emergency number		0 [9 am to 5 pm GMT - Mond	ay to Friday]	
SECTION 2: Hazards iden 2.1. Classification of the su				
Classification according to Regu Not classified	ulation (EC) No. 1272/2008 [CL	Р]		
Adverse physicochemical, huma To our knowledge, this product do practice.			ordance with good occupatior	al hygiene and safety
2.2. Label elements				
Labelling according to Regulation		the contents do not exceed	10ml	
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/	information on ingredie	nts		
3.1. Substances Not applicable				
потаррисаріе				
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.

Safety Data Sheet

according to Regulation (EU) 2015/830

4.2. Most important symptoms and effe	cts, both acute and delayed
No additional information available	
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. Carbon dioxide.
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 e	quipment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Ventilate spillage area.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for containm	ient and cleaning up
Methods for cleaning up	: Take up liquid spill into absorbent material.
Other information	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	
For further information refer to section 13.	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, includ	ing any incompatibilities
Storage conditions	: Store in a well-ventilated place. Keep cool.
7.3. Specific end use(s)	: Store in a well-ventilated place. Keep cool.
-	: Store in a well-ventilated place. Keep cool.
7.3. Specific end use(s)	
7.3. Specific end use(s) No additional information available	
7.3. Specific end use(s) No additional information available SECTION 8: Exposure controls/pers	
7.3. Specific end use(s) No additional information available SECTION 8: Exposure controls/pers 8.1. Control parameters	
7.3. Specific end use(s) No additional information available SECTION 8: Exposure controls/pers 8.1. Control parameters No additional information available	

Hand protection:

Protective gloves

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

Eye protection:

Safety glasses

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	: No data available on colour.
Odour	: None.
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	: 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

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.

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

No additional information available

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological informa	tion
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
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	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 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
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	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

Safety Data Sheet

according to Regulation (EU) 2015/830

ADR	ΙΑΤΑ	
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

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

Megazyme	Safety Data Sheet according to Regulation (EU) 2015/830 Date of issue: 28/11/2013 Revision date: 05/01/2018	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	: Phytic Acid (Total Phosphorus) Assay Kit (B	ottle 3)
Product code	K-PHYT (Bottle 3)	
1.2. Relevant identified uses o	f 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 t	he safety data sheet	
Megazyme Bray Business Park A98 YV29 Bray - Ireland T +353 12861220 - F +353 12861264 cs@megazyme.com - www.megazym	e.com	
1.4. Emergency telephone nur	nber	
Emergency number	: +353 12861220 [9 am to 5 pm GMT - Monda	ay to Friday]
SECTION 2: Hazards identifi	cation	
2.1. Classification of the subst	tance or mixture	
Classification according to Regulat Not classified	ion (EC) No. 1272/2008 [CLP]	
Adverse physicochemical, human h To our knowledge, this product does r practice.	nealth and environmental effects not present any particular risk, provided it is handled in acco	ordance with good occupational hygiene and safety
2.2. Label elements		
Labelling according to Regulation (EC) No. 1272/2008 [CLP]	
EUH-statements	: EUH032 - Contact with acids liberates very t	oxic gas.
2.3. Other hazards		
No additional information available		
SECTION 3: Composition/inf	formation 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 effe	ects, both acute and delayed

No additional information available

Safety Data Sheet

according to Regulation (EU) 2015/830

4.3.	Indication of any immediate medica	I attention and special treatment needed
Treat s	ymptomatically.	
SECT	ION 5: Firefighting measures	
5.1.	Extinguishing media	
Suitable	e extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
5.2.	Special hazards arising from the su	bstance or mixture
Hazard fire	ous decomposition products in case of	: Toxic fumes may be released.
5.3.	Advice for firefighters	
Protect	on during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECT	ION 6: Accidental release mea	sures
6.1.	Personal precautions, protective ec	uipment and emergency procedures
6.1.1.	For non-emergency personnel	
Emerge	ency procedures	: Ventilate spillage area.
6.1.2.	For emergency responders	
Protect	ve 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 r	elease to the environment.	
6.3.	Methods and material for containm	ent and cleaning up
Method	s for cleaning up	: Take up liquid spill into absorbent material.
Other in	nformation	: Dispose of materials or solid residues at an authorized site.
6.4.	Reference to other sections	
For furt	her information refer to section 13.	
SECT	ION 7: Handling and storage	
7.1.	Precautions for safe handling	
	tions for safe handling e measures	 Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2.	Conditions for safe storage, includi	ng any incompatibilities
Storage	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/pers	onal protection
8.1.	Control parameters	
No add	itional information available	
8.2.	Exposure controls	
Approp	priate engineering controls:	
Ensure	good ventilation of the work station.	
Hand n	rotection:	
-	ve gloves	

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

Eye protection:

Safety glasses

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

Safety Data Sheet

according to Regulation (EU) 2015/830

Skin and body protection:

Wear suitable protective clothing

Туре	Standard
Lab coat	

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

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



Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical	properties			
9.1. Information on basic physical and chemical properties				
Physical state	: Liquid			
Colour	: No data available on colour.			
Odour	: None.			
Odour threshold	: No data available			
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	: 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	luct 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: Toxicologic	al information
11.1. Information on toxico	logical effects
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological informat	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	tione
13.1. Waste treatment methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTION 14: Transport informati	ion
In accordance with ADR / RID / IMDG / IATA	
ADR	ΙΑΤΑ
14.1. UN number	Michaellesble
Not applicable 14.2. UN proper shipping name	Not applicable
14.2. UN proper shipping name Not applicable Image: Comparison of the second	Not applicable
14.3. Transport hazard class(es)	
Not applicable	Not applicable
14.4. Packing group	
Not applicable	Not applicable

Not applicable

Not applicable

Environmental hazards

14.5.

Safety Data Sheet

according to Regulation (EU) 2015/830

ADR	ΙΑΤΑ
	No supplementary information available
14.6.	Special precautions for user
- Overla	and transport
Not app	blicable
- Air tra	ansport
Not app	blicable
14.7.	Transport in bulk according to Annex II of Marpol and the IBC Code
Not app	licable
SECT	ION 15: Regulatory information
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
15.1.1.	EU-Regulations
Contair	is no REACH substances with Annex XVII restrictions
Contair	is no substance on the REACH candidate list
Contair	is no REACH Annex XIV substances
15.1.2.	National regulations
No add	itional information available
15.2.	Chemical safety assessment
No che	mical safety assessment has been carried out
SECT	ION 16: Other information

Full text of H- and EUH-statements:

EUH032 Contact with acids liberates very toxic gas.	 	
	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.



2) Safety Data Sheet

Megazyme	according to Regulation (EU) 2015/830 Date of issue: 28/11/2013 Revision date: 04/01/2018 Supersed	edes: 06/09/2016 Version: 1.3				
SECTION 1: Identification of	the substance/mixture and of the company/undertal	king				
1.1. Product identifier						
Product form	: Mixture					
Product name	: Phytic Acid (Total Phosphorus) Assay Kit (Bottle 2)					
Product code	: K-PHYT (Bottle 2)					
1.2. Relevant identified uses of	f 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 t	he safety data sheet					
Megazyme Bray Business Park A98 YV29 Bray - Ireland T +353 12861220 - F +353 12861264 cs@megazyme.com - www.megazym						
1.4. Emergency telephone nur	nber					
Emergency number	: +353 12861220 [9 am to 5 pm GMT - Monday 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 [CLP]					
Adverse physicochemical, human h To our knowledge, this product does r practice.	nealth and environmental effects not present any particular risk, provided it is handled in accordance with	h good occupational hygiene and safety				
2.2. Label elements						
Labelling according to Regulation (EC) No. 1272/2008 [CLP]					
EUH-statements : EUH032 - Contact 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/inf	formation 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.			

Safety Data Sheet

according to Regulation (EU) 2015/830

No. and Weither and Star for an and Markelan				
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 substance or mixture				
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.	g			
SECTION 6: Accidental release measures				
6.1. Personal precautions, protective equipment and emergency procedures				
6.1.1. For non-emergency personnel Emergency procedures : Ventilate spillage area.				
6.1.2. For emergency responders Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".				
6.2. Environmental precautions				
Avoid release to the environment.				
6.3. Methods and material for containment 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 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. Control parameters				
No additional information available				
8.2. Exposure controls				
Appropriate engineering controls:				
Ensure good ventilation of the work station.				

Hand protection:

Protective gloves

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

Eye protection:

Safety glasses

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	: white.			
Odour	: None.			
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	: 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	/			

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	rmation
11.1. Information on toxicological et	
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 42: Ecological inform	
SECTION 12: Ecological information	ation
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 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	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			

Safety Data Sheet

according to Regulation (EU) 2015/830

ADR	ΙΑΤΑ		
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.

Megazyme	Phytic Acid (Total Phosphe 1) Safety Data Sheet according to Regulation (EU) 2015/830	, ,	·
	Date of issue: 28/11/2013 Revision date: 16/01/2018	Supersedes: 06/09/2016	Version: 1.3
	the substance/mixture and of the company/	undertaking	
1.1. Product identifier			
Product form	: Mixture		
Product name	: Phytic Acid (Total Phosphorus) Assay Kit (Br	ottle 1)	
Product code	: K-PHYT (Bottle 1)		
1.2. Relevant identified uses o	f 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 t	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.megazym</u>	e.com		
1.4. Emergency telephone nur	nber		
Emergency number	: +353 12861220 [9 am to 5 pm GMT - Monda	ay to Friday]	
SECTION 2: Hazards identifi	cation		
2.1. Classification of the subst			
Classification according to Regulat	ion (EC) No. 1272/2008 [CLP]		
Not classified			
Adverse physicochemical, human h To our knowledge, this product does r practice.	nealth and environmental effects not present any particular risk, provided it is handled in acco	ordance with good occupatior	al hygiene and safety
2.2. Label elements			
Labelling according to Regulation (EC) No. 1272/2008 [CLP]		
EUH-statements	: EUH032 - Contact with acids liberates very t	oxic gas.	
2.3. Other hazards			
No additional information available			
SECTION 3: Composition/inf	formation on ingredients		
3.1. Substances			
Not applicable			
3.2. Mixtures			

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

SECTION 4: First aid measures			
4.1. Description of first aid measures			
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.		
First-aid measures after skin contact	: Wash skin with plenty of water.		
First-aid measures after eye contact	: Rinse eyes with water as a precaution.		
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.		
4.2. Most important symptoms and effects, both acute and delayed			

No additional information available

Safety Data Sheet

according to Regulation (EU) 2015/830

4.3.	Indication of any immediate medica	I attention and special treatment needed		
Treat symptomatically.				
SECT	ION 5: Firefighting measures			
5.1.	Extinguishing media			
Suitable	e extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.		
5.2.	Special hazards arising from the su	bstance or mixture		
Hazard fire	ous decomposition products in case of	: Toxic fumes may be released.		
5.3.	Advice for firefighters			
Protect	on during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.		
SECT	ION 6: Accidental release mea	sures		
6.1.	Personal precautions, protective ec	uipment and emergency procedures		
6.1.1.	For non-emergency personnel			
Emerge	ency procedures	: Ventilate spillage area.		
6.1.2.	For emergency responders			
Protect	ve 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 r	elease to the environment.			
6.3.	Methods and material for containm	ent and cleaning up		
Method	s for cleaning up	: Take up liquid spill into absorbent material.		
Other in	nformation	: Dispose of materials or solid residues at an authorized site.		
6.4.	Reference to other sections			
For furt	her information refer to section 13.			
SECT	ION 7: Handling and storage			
7.1.	Precautions for safe handling			
	tions for safe handling e measures	 Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. 		
7.2.	Conditions for safe storage, includi	ng any incompatibilities		
Storage	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/pers	onal protection		
8.1.	Control parameters			
No add	itional information available			
8.2.	Exposure controls			
Approp	priate engineering controls:			
Ensure	good ventilation of the work station.			
Hand n	rotection:			
-	ve gloves			

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

Eye protection:

Safety glasses

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

Safety Data Sheet

according to Regulation (EU) 2015/830

Skin and body protection:

Wear suitable protective clothing

Туре	Standard
Lab coat	

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

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



Environmental exposure controls:

Avoid release to the environment.

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

SECTION TO. Stability and reactivity			
10.1.	Reactivity		
The proc	The product is non-reactive under normal conditions of use, storage and transport.		
10.2.	Chemical stability		
10.2.	Chemical Stability		

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.	
10.6.	Hazardous decomposition products

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

SECTIO	N 11: Toxicological inf	ormation
	nformation on toxicological	
Acute toxic	ity (oral)	: Not classified
Acute toxic	ity (dermal)	: Not classified
Acute toxic	ity (inhalation)	: Not classified
Skin corros	ion/irritation	: Not classified
Serious eye	e damage/irritation	: Not classified
Respiratory	or skin sensitisation	: Not classified
Germ cell r	nutagenicity	: Not classified
Carcinoger	nicity	: Not classified
Reproducti	ve toxicity	: Not classified
STOT-sing	le exposure	: Not classified
STOT-repe	ated exposure	: Not classified
Aspiration I	nazard	: Not classified

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse
	effects in the environment.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified
12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessme	nnt -
No additional information available	SIIL
12.6. Other adverse effects	
No additional information available	
SECTION 13: Disposal consideratio	ns
13.1. Waste treatment methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IATA / A	
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)	Net englischle
Not applicable	Not applicable
14.4. Packing group Not applicable	Not applicable
	· ·

Not applicable

Not applicable

Environmental hazards

14.5.

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