

Pectin Identification Assay Kit

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 ident	ification	
1.1. Kit identifier		
Product name	: Pectin Identification Assay Kit	
Product code	: K-PECID	
1.2. Details of the su	oplier 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]
Pectin Identification Assay Kit (Bottle 6)	Reagent	1	pcs (pieces)	Eye Irrit. 2, H319 Carc. 2, H351

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
Pectin Identification Assay Kit (Bottle 2)	Reagent	1	pcs (pieces)
Pectin Identification Assay Kit (Bottle 3)	Reagent	1	pcs (pieces)
Pectin Identification Assay Kit (Bottle 4)	Reagent	1	pcs (pieces)
Pectin Identification Assay Kit (Bottle 5)	Reagent	1	pcs (pieces)
Pectin Identification Assay Kit (Bottle 1)	Reagent	1	pcs (pieces)

SECTION 4: General advice

No data available

SECTION 5: Safe handling advic	e
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

Pectin Identification Assay Kit

Kit Safety Information Sheet

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

SECTION 8: Other information

No data available



Safety Data Sheet

according to Regulation (EU) 2015/830

Megazyme	Date of issue: 28/11/2013 Revision date: 16/01/2018 Supersedes: 06/09/2016 Version: 1.3
ECTION 1: Identification of	the substance/mixture and of the company/undertaking
.1. Product identifier	
Product form	: Mixture
Product name	: Pectin Identification Assay Kit (Bottle 6)
roduct code	: K-PECID (Bottle 6)
.2. Relevant identified uses of	f the substance or mixture and uses advised against
.2.1. Relevant identified uses	
ndustrial/Professional use spec	: For professional use only
lse of the substance/mixture	: Use as laboratory reagent
.2.2. Uses advised against	
lo additional information available	
.3. Details of the supplier of the	ne safety data sheet
Λegazyme 3ray Business Park \98 YV29 Bray - Ireland ⁻ +353 12861220 - F +353 12861264 <mark>:s@megazyme.com</mark> - www.megazyme	e.com
.4. Emergency telephone num	ıber
mergency number	: +353 12861220 [9 am to 5 pm GMT - Monday to Friday]
SECTION 2: Hazards identified	cation
.1. Classification of the subst	ance or mixture
Classification according to Regulati Serious eye damage/eye irritation, Cat	
arcinogenicity, Category 2	H351
ull text of H statements : see section	
dverse physicochemical, human h suspected of causing cancer. Causes	
.2. Label elements	
Labelling according to Regulation (I	EC) No. 1272/2008 [CLP]
Signal word (CLP)	: Warning
azardous ingredients	: Carrageenan
lazard statements (CLP)	: H319 - Causes serious eye irritation H351 - Suspected of causing cancer.
Precautionary statements (CLP)	 P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P264 - Wash hands thoroughly after handling. P280 - Wear eye protection, protective clothing, protective gloves P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 - IF exposed or concerned: Get medical advice.
abelling according to: exemption f	for inner packaging where the contents do not exceed 10ml
lazard nictograms (CLP)	
Hazard pictograms (CLP)	

GHS08

Safety Data Sheet

according to Regulation (EU) 2015/830

Hazardous ingredients

: Carrageenan

2.3. **Other hazards**

No additional information available

SECTION 3: Composition/information on ingredients				
3.1.	Substances			
Not applicable				

3.2. **Mixtures**

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Carrageenan	(CAS-No.) 9000-07-1 (EC-No.) 232-524-2	100	Eye Irrit. 2, H319 Carc. 2, H351

Full text of H-statements: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general First-aid measures after inhalation First-aid measures after skin contact First-aid measures after eye contact	 IF exposed or concerned: Get medical advice/attention. Remove person to fresh air and keep comfortable for breathing. Wash skin with plenty of water. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to
First-aid measures after ingestion	 continue rinsing. If eye irritation persists: Get medical advice/attention. Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and effe	cts. both acute and delayed
Symptoms/effects after eye contact	: Eye irritation.
4.3. Indication of any immediate medicate Treat symptomatically.	al 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 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	sures
6.1. Personal precautions, protective ed	quipment and emergency procedures
6.1.1. For non-emergency personnel Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for containm	ent and cleaning up
Methods for cleaning up Other information	Mechanically recover the product. Notify authorities if product enters sewers or public waters.Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	
For further information refer to section 13.	

Safety Data Sheet

according to Regulation (EU) 2015/830

SECT	FION 7: Handling and storage				
7.1.	Precautions for safe handling				
Precau	itions for safe handling	 Ensure good ventilation of the work station. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. 			
Hygier	e measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.			
7.2.	7.2. Conditions for safe storage, including any incompatibilities				
Storag	e conditions	: Store in a well-ventilated place. Keep cool. Store locked up.			
7.3.	Specific end use(s)				
No add	No additional information available				
SECTION 8: Exposure controls/personal protection					
SLC.	SECTION 0. 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

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

Skin and body protection:

Wear suitable protective clothing

Туре	Standard
Lab coat	

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

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



Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemica	l properties			
9.1. Information on basic physical and chemical properties				
Physical state	: Solid			
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	: No data available			
15/03/2018	EN (English)	5/33		

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5 5 ()	
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.				
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 inf	formation
11.1. Information on toxicological	effects
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological informatio	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

Safety Data Sheet

Chronic	aquatic toxicity	: Not classified
2.2.	Persistence and degradability	
	tional information available	
12.3.	Bioaccumulative potential	
lo addit	tional information available	
2.4.	Mobility in soil	
lo addit	tional information available	
2.5.	Results of PBT and vPvB assess	ent
No addit	tional information available	
12.6.	Other adverse effects	
-	tional information available	
	ON 13: Disposal considerat	ns
13.1.	Waste treatment methods	
Vaste tr	reatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTI	ON 14: Transport information	
n accor	dance with ADR / RID / IMDG / IATA	ADN
ADR		ΙΑΤΑ
4.1.	UN number	
lot appl	licable	Not applicable
4.2.	UN proper shipping name	
lot app	licable	Not applicable
4.3.	Transport hazard class(es)	
Not appl	licable	Not applicable
4.4.	Packing group	
lot app		Not applicable
4.5.	Environmental hazards	
	licablo	Not applicable

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:

Safety Data Sheet

according to Regulation (EU) 2015/830

Carc. 2	Carcinogenicity, Category 2	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
H319	Causes serious eye irritation	
H351	Suspected of causing cancer.	

SDS EU (REACH Annex II)

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



Safety Data Sheet

according to Regulation (EU) 2015/830

Megazyme	Date of issue: 28/11/2013	Revision date: 16/01/2018	Supersedes: 06/09/2016	Version: 1.3	
SECTION 1: Identification of	of the substance/mixtu	re and of the company	/undertaking		
1.1. Product identifier					
Product form	: Mixture				
Product name : Pectin Identification Assay Kit (Bottle 5)					
Product code	: K-PECID (Bo	ttle 5)			
I.2. Relevant identified uses	of the substance or mixture	and uses advised against			
I.2.1. Relevant identified uses					
ndustrial/Professional use spec	: For profession	nal use only			
Jse of the substance/mixture	: Use as labora	atory reagent			
1.2.2. Uses advised against					
No additional information available					
I.3. Details of the supplier of	the safety data sheet				
Megazyme Bray Business Park A98 YV29 Bray - Ireland T +353 12861220 - F +353 1286126 cs@megazyme.com - www.megazyl					
1.4. Emergency telephone nu					
Emergency number	: +353 128612	20 [9 am to 5 pm GMT - Monda	ay to Friday]		
SECTION 2: Hazards identi	fication				
.1. Classification of the sub	stance or mixture				
Classification according to Regula Not classified Adverse physicochemical, human To our knowledge, this product does	health and environmental e	effects	ordance with good occupation	al hygiene and safe	
practice.	not present any particular his	r, provided it is narialed in acc		a nygiene and sale	
2.2. Label elements					
_abelling according to Regulation No labelling applicable	(EC) No. 1272/2008 [CLP]				
_abelling according to: exemptior	n for inner packaging where	the contents do not exceed	10ml		
No labelling required					
2.3. Other hazards					
No additional information available					
SECTION 3: Composition/ir	nformation on ingredie	ents			
.1. Substances					
Not applicable					
3.2. Mixtures					
This mixture does not contain any su	ubstances to be mentioned ac	cording to the criteria of section	n 3.2 of REACH annex II		
SECTION 4: First aid measu	ures				
4.1. Description of first aid m	easures				

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 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 haza	5.2. Special hazards arising from the substance or mixture						
Hazardous decompositi fire	Hazardous decomposition products in case of : Toxic fumes may be released. fire						
5.3. Advice for fir	refighters						
Protection during firefig	Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.						
SECTION 6: Accid	dental release meas	sures					
6.1. Personal pre	cautions, protective eq	uipment and emergency	r procedures				
6.1.1. For non-eme	rgency personnel						
Emergency procedures		: Ventilate spillage area	а.				
6.1.2. For emergen	cy responders						
Protective equipment			e action without suitable p posure controls/personal	protective equipment. For protection".	further information		
6.2. Environment	tal precautions						
Avoid release to the env	vironment.						
6.3. Methods and	I material for containme	nt and cleaning up					
Methods for cleaning up)	: Mechanically recover	the product.				
Other information		: Dispose of materials	or solid residues at an au	thorized site.			
6.4. Reference to	other sections						
For further information r	refer to section 13.						
SECTION 7: Hand	ling and storage						
7.1. Precautions	for safe handling						
Precautions for safe ha	ndling	•		ear personal protective ec	• •		
Hygiene measures		: Do not eat, drink or si product.	noke when using this pro	duct. Always wash hands	after handling the		
	or safe storage, includir	ng any incompatibilities					
Storage conditions		: Store in a well-ventila	ted place. Keep cool.				
7.3. Specific end No additional information							
SECTION 8: Expo	sure controls/pers	onal protection					
8.1. Control para							
No additional information available							
8.2. Exposure controls							
Appropriate engineering controls:							
Ensure good ventilation of the work station.							
Hand protection:							
Protective gloves							
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard		
Disposable gloves	Nitrile rubber (NBR)	3 (> 60 minutes)		2 (< 1.5)	EN 374-2		

Eye protection:

Safety glasses

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

Safety Data Sheet

according to Regulation (EU) 2015/830

Skin and body protection:

Wear suitable protective clothing

Туре	Standard
Lab coat	

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

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



Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical	l properties				
9.1. Information on basic physical and					
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					

SECT	SECTION 10: Stability and reactivity				
10.1.	Reactivity				
The pro	The product is non-reactive under normal conditions of use, storage and transport.				
10.2.	Chemical stability				
Stable	under normal conditions.				
10.3.	Possibility of hazardous reactions				
No dan	gerous reactions known under normal conditions of use.				
10.4.	Conditions to avoid				
Noneu	nder recommended storage and handling conditions (acc section 7)				

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

Safety Data Sheet

according to Regulation (EU) 2015/830

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

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

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

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified
12.2. Persistence and degradability	
No additional information available	
40.0 Disconstructive notential	
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 assessme	nt
No additional information available	
12.6. Other adverse effects	
No additional information available	
SECTION 13: Disposal consideration	IS
13.1. Waste treatment methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTION 44: Transport information	
SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IATA / AI	
ADR	ΙΑΤΑ
14.1. UN number	
Not applicable	Not applicable
14.2. UN proper shipping name	Net applicable
Not applicable	Not applicable
14.3. Transport hazard class(es) Not applicable	Not applicable
14.4. Packing group	
	Net you Beach

Not applicable

Not applicable

Environmental hazards

Not applicable

Not applicable

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

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

SDS EU (REACH Annex II)

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



Safety Data Sheet

according to Regulation (EU) 2015/830

Product form : Mixture Product name : Pectin Identification Assay Kit (Bottle 4) Product code : K-PECID (Bottle 4) 12. Relevant Identified uses 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 1.2.1. Uses advised against No additional information available		захуше	Date of issue: 28/11/2013	Revision date: 16/01/2018	Supersedes: 06/09/2016	Version: 1.3
Product form : Mixture Product come : Peclin Identification Assay Kit (Bottle 4) Product code : K-PECID (Bottle 4) 1.2. Relevant identified uses of the substance or mixture and uses advised against 1.2.1. Relevant identified uses Industrial/Professional use spec : For 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 safety data sheet Megazyme Bray Business Park A98 YU29 Bray - Ireland 1.4. Emergency telephone 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 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 safet practice. 2.2. Label elements Label ling according to Regulation (EC) No. 1272/2008 [CLP] No tabelling applicable	SECT	ION 1: Identification o	f the substance/mixtu	e and of the company/	undertaking	
Product name : Pectin Identification Assay Kit (Bottle 4) Product code : K-PECID (Bottle 4) 12. Relevant identified uses 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 safety data sheet . Megazyme . . . Bray Business Park . . . AV29 Bray - Ireland . . . 1.4. Emergency telephone number . . Ensergency number : . . . 2.1. Classification of the substance or mixture . . . 2.1. Classification of the substance or mixture 2.1. Classification of the substance or mixture <	1.1.	Product identifier				
Product code : K-PECID (Bottle 4) 1.2. Relevant identified uses of the substance or mixture and uses advised against 1.2.1. Relevant identified uses Industrial/Professional use spec : For professional use only Use of the substance/mixture : Use as laboratory reagent 1.2.1. Uses advised against No additional information available	Product	form	: Mixture			
1.2. Relevant identified uses of the substance or mixture and uses advised against 1.2.1. Relevant identified uses Industrial/Professional use spec For professional use only Use of the substance/mixture Use as laboratory reagent 1.2.1. Uses advised against No additional information available Industrial/Professional use spect 1.3. Details of the supplier of the safety data sheet Megazyme Bray Business Park A98 YV29 Bray - Ireland Seg(megazyme.com) 1.4. Emergency telephone number Ernergency telephone number Emergency telephone number Ernergency tubephone 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 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 safet practice. 2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] No labelling applicable <td>Product</td> <td>name</td> <td>: Pectin Identifie</td> <td>cation Assay Kit (Bottle 4)</td> <td></td> <td></td>	Product	name	: Pectin Identifie	cation Assay Kit (Bottle 4)		
1.2.1. Relevant identified uses Industrial/Professional use spec : For professional use only Use of the substance/mixture : Use as laboratory reagent 1.2.1. Uses advised against No additional information available 1.3. Details of the supplier of the safety data sheet Megazyme Megazyme Bray Business Park A88 YU29 Bray - Ireland T + 353 12861220 - F + 353 12861264 cs@megazyme.com : + 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 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 safet practice. 2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] No labelling applicable Second of the substance of the substance of the practice.	Product	code	: K-PECID (Bot	tle 4)		
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 safety data sheet Megazyme Bray Business Park A98 YV29 Bray - Ireland 1.4. Emergency telephone number Emergency number : +353 12861264 cs@megazyme.com - www.megazyme.com 1.4. Emergency telephone 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 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 safet practice. 2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] No labelling applicable	1.2.	Relevant identified uses	of the substance or mixture	and uses advised against		
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 safety data sheet Megazyme Bray Business Park A98 YV29 Bray - Ireland T +353 12861220 - F +353 12861264 cs@megazyme.com 1.4. Emergency telephone 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 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 safet practice. 2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] No labelling applicable	1.2.1.	Relevant identified uses				
1.2.2. Uses advised against No additional information available 1.3. Details of the supplier of the safety data sheet Megazyme Bray Business Park A98 YV29 Bray - Ireland T +353 12861220 - F +353 12861264 cs@megazyme.com - www.megazyme.com 1.4. Emergency telephone number Emergency number Emergency number 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 safet practice. 2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] No labelling applicable	Industria	al/Professional use spec	: For professior	al use only		
No additional information available 1.3. Details of the supplier of the safety data sheet Megazyme Bray Business Park A88 YV29 Bray - Ireland T +353 12861220 - F +353 12861264 cs@megazyme.com 1.4. Emergency telephone number Emergency number Emergency telephone number Emergency telephone number 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 safet practice. 2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] No labelling applicable	Use of t	he substance/mixture	: Use as labora	tory reagent		
1.3. Details of the supplier of the safety data sheet Megazyme Bray Business Park A98 YV29 Bray - Ireland T +353 12861220 - F +353 12861264 cs@megazyme.com - www.megazyme.com 1.4. Emergency telephone 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 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] No labelling applicable	1.2.2.	Uses advised against				
Megazyme Bray Business Park A98 YV29 Bray - Ireland T +353 12861220 - F +353 12861264 cs@megazyme.com - www.megazyme.com 1.4. Emergency telephone 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 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 Label ling according to Regulation (EC) No. 1272/2008 [CLP] No labelling applicable	No addi	tional information available				
Bray Dusiness Park A98 YV29 Bray - Ireland T +353 12861220 - F +353 12861264 cs@megazyme.com - www.megazyme.com 1.4. Emergency telephone 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 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 safet practice. 2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] No labelling applicable	1.3.	Details of the supplier of	the safety data sheet			
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 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] No labelling applicable	T +353	12861220 - F +353 12861264				
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 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] No labelling applicable	1.4.	Emergency telephone nu	mber			
 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] No labelling applicable 	Emerge	ency number	: +353 1286122	0 [9 am to 5 pm GMT - Monda	ay to Friday]	
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 safet practice. 2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] No labelling applicable	SECT	ION 2: Hazards identif	ication			
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] No labelling applicable	2.1.	Classification of the subs	stance or mixture			
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 safet practice. 2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] No labelling applicable	Classif	ication according to Regula	tion (EC) No. 1272/2008 [CL	P]		
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] No labelling applicable	Not clas	ssified				
Labelling according to Regulation (EC) No. 1272/2008 [CLP] No labelling applicable	To our l	knowledge, this product does			ordance with good occupation	al hygiene and safety
No labelling applicable	2.2.	Label elements				
No labelling applicable	Labelli	ng according to Regulation	(EC) No. 1272/2008 [CLP]			
Labelling according to: exemption for inner packaging where the contents do not exceed 10ml						
		0 11	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 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	4.3. Indication of any immediate medical attention and special treatment needed				
Treat symptomatically.					
SECTION 5: Firefi	ghting measures				
5.1. Extinguishin	g media				
Suitable extinguishing m	nedia	: Water spray. Dry pow	der. Foam.		
5.2. Special haza	rds arising from the sub	ostance or mixture			
Hazardous decompositi fire	on products in case of	: Toxic fumes may be r	eleased.		
5.3. Advice for fir	efighters				
Protection during firefigh	nting	: Do not attempt to take apparatus. Complete	e action without suitable p protective clothing.	rotective equipment. Self	-contained breathing
SECTION 6: Accid	lental release meas	sures			
6.1. Personal pre	cautions, protective equ	uipment and emergency	procedures		
6.1.1. For non-eme	rgency personnel				
Emergency procedures		: Ventilate spillage area	a.		
6.1.2. For emergen	cy responders				
Protective equipment			e action without suitable p posure controls/personal		further information
6.2. Environment	al precautions				
Avoid release to the env	vironment.				
6.3. Methods and	material for containme	nt and cleaning up			
Methods for cleaning up)	: Mechanically recover	the product.		
Other information		: Dispose of materials of	or solid residues at an aut	horized site.	
6.4. Reference to	other sections				
For further information r	efer to section 13.				
SECTION 7: Hand	ling and storage				
7.1. Precautions	for safe handling				
Precautions for safe har	ndling	•	on of the work station. We		• •
Hygiene measures	Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.				
7.2. Conditions for	o <mark>r safe storage, includ</mark> ir	ng any incompatibilities			
Storage conditions		: Store in a well-ventila	ted place. Keep cool.		
7.3. Specific end					
No additional informatio	n available				
SECTION 8: Expo	sure controls/perse	onal protection			
8.1. Control para					
No additional informatio	No additional information available				
8.2. Exposure controls					
Appropriate engineering controls:					
Ensure good ventilation of the work station.					
Hand protection:					
Protective gloves					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	3 (> 60 minutes)		2 (< 1.5)	EN 374-2

Eye protection:

Safety glasses

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

Safety Data Sheet

according to Regulation (EU) 2015/830

Skin and body protection:

Wear suitable protective clothing

Туре	Standard
Lab coat	

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

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



Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemica	I properties		
9.1. Information on basic physical and	0.1. 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			

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
No dan	gerous reactions known under normal conditions of use.
10.4.	Conditions to avoid
NI	

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

Safety Data Sheet

according to Regulation (EU) 2015/830

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological i	nformation
11.1. Information on toxicologic	al 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 information		
12.1. Toxicity		
Ecology - general	: The product is not con effects in the environm	nsidered harmful to aquatic organisms nor to cause long-term adverse nent.
Acute aquatic toxicity	: Not classified	
Chronic aquatic toxicity	: Not classified	
12.2. Persistence and degradability		
No additional information available		
12.3. Bioaccumulative potential		
No additional information available		
12.4. Mobility in soil		
No additional information available		
12.5. Results of PBT and vPvB assessmen	t	
No additional information available		
12.6. Other adverse effects		
No additional information available		
SECTION 13: Disposal considerations	S	
13.1. Waste treatment methods		
Waste treatment methods	: Dispose of contents/c	ontainer in accordance with licensed collector's sorting instructions.
SECTION 14: Transport information		
In accordance with ADR / RID / IMDG / IATA / AD	Ν	
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

Not applicable

Not applicable

Packing group

Environmental hazards

14.4.

14.5. Envi Not applicable

Not applicable

Safety Data Sheet

according to Regulation (EU) 2015/830

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

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

SDS EU (REACH Annex II)

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



Safety Data Sheet

according to Regulation (EU) 2015/830

Supersedes: 06/09/2016

Version: 1.3

N Cgazyme	Date of issue: 28/11/2013	Revision date: 16/01/2018	Supersedes: 06/09/2016	Version: 1.3
SECTION 1: Identification of	of the substance/mixtu	re and of the company	/undertaking	
1.1. Product identifier				
Product form	: Mixture			
Product name	: Pectin Identifi	cation Assay Kit (Bottle 3)		
Product code	: K-PECID (Bo	ttle 3)		
I.2. Relevant identified uses	of the substance or mixture	and uses advised against		
1.2.1. Relevant identified uses				
ndustrial/Professional use spec	: For profession	nal use only		
Jse of the substance/mixture	: Use as labora	atory reagent		
1.2.2. Uses advised against				
No additional information available				
1.3. Details of the supplier of	f the safety data sheet			
Megazyme				
Bray Business Park A98 YV29 Bray - Ireland				
T +353 12861220 - F +353 1286126				
cs@megazyme.com - www.megazy	<u>me.com</u>			
1.4. Emergency telephone no	umber			
Emergency number	: +353 128612	20 [9 am to 5 pm GMT - Mond	ay to Friday]	
SECTION 2: Hazards identi	fication			
.1. Classification of the sub	stance or mixture			
Classification according to Regul	ation (EC) No. 1272/2008 [CI	-P1		
Not classified				
Adverse physicochemical, humar To our knowledge, this product does practice. 2.2. Label elements			ordance with good occupatior	al hygiene and safe
Labelling according to Regulation	1 (EC) No. 1272/2008 [CLP]			
No labelling applicable				
Labelling according to: exemption	n 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	nformation on ingredie	ents		
3.1. Substances				
Not applicable				
3.2. Mixtures				
This mixture does not contain any s	ubstances to be mentioned ac	cording to the criteria of sectio	n 3.2 of REACH annex II	
SECTION 4: First aid meas	ures			

4.1. Description of first aid measures	
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and e	ffects, 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: Firefi	ghting measures				
5.1. Extinguishin	g media				
Suitable extinguishing n	nedia	ia : Water spray. Dry powder. Foam.			
5.2. Special haza	rds arising from the sul	ostance or mixture			
Hazardous decompositi fire	on products in case of	: Toxic fumes may be r	eleased.		
5.3. Advice for fir	refighters				
Protection during firefig	hting	: Do not attempt to take apparatus. Complete	e action without suitable p protective clothing.	rotective equipment. Self	-contained breathing
SECTION 6: Accid	dental release meas	sures			
6.1. Personal pre	cautions, protective eq	uipment and emergency	r procedures		
6.1.1. For non-eme	ergency personnel				
Emergency procedures		: Ventilate spillage area	a.		
6.1.2. For emergen	cy responders				
Protective equipment			e action without suitable p posure controls/personal		further information
6.2. Environment	tal precautions				
Avoid release to the env	vironment.				
6.3. Methods and	I material for containme	nt and cleaning up			
Methods for cleaning up	0	: Mechanically recover	the product.		
Other information		: Dispose of materials of	or solid residues at an aut	horized site.	
6.4. Reference to	other sections				
For further information r	refer to section 13.				
SECTION 7: Hand	lling 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	Storage conditions : Store in a well-ventilated place. Keep cool.				
7.3. Specific end					
	No additional information available				
	sure controls/pers	onal protection			
8.1. Control para					
No additional informatio	on available				
8.2. Exposure controls					
Appropriate engineeri	ng controls:				
Ensure good ventilation	of the work station.				
Hand protection:					
Protective gloves					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	3 (> 60 minutes)		2 (< 1.5)	EN 374-2

Eye protection:

Safety glasses

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

Safety Data Sheet

according to Regulation (EU) 2015/830

Skin and body protection:

Wear suitable protective clothing

Туре	Standard
Lab coat	

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

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



Environmental exposure controls:

Avoid release to the environment.

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		
pH	: No data available		
Relative evaporation rate (butylacetate=1)	: No data available		
Melting point	: No data available		
Freezing point	: Not applicable		
Boiling point	: No data available		
Flash point	: Not applicable		
Auto-ignition temperature	: Not applicable		
Decomposition temperature	: No data available		
Flammability (solid, gas)	: Non flammable.		
Vapour pressure	: No data available		
Relative vapour density at 20 °C	: No data available		
Relative density	: Not applicable		
Solubility	: Soluble in water.		
Log Pow	: No data available		
Viscosity, kinematic	: Not applicable		
Viscosity, dynamic	: No data available		
Explosive properties	: No data available		
Oxidising properties	: No data available		
Explosive limits	: Not applicable		
9.2. Other information			
No additional information available			

SECT	ION 10: Stability and reactivity			
10.1.	Reactivity			
The product is non-reactive under normal conditions of use, storage and transport.				
10.2.	Chemical stability			
Stable under normal conditions.				
10.3.	Possibility of hazardous reactions			
No dangerous reactions known under normal conditions of use.				
10.4.	Conditions to avoid			
None u	nder recommended storage and handling conditions (see section 7).			

and handling conditions (see section 7).

Safety Data Sheet

according to Regulation (EU) 2015/830

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

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

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

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

Not applicable

Not applicable

Not applicable

Not applicable

Not applicable

Packing group

14.4.

Safety Data Sheet

according to Regulation (EU) 2015/830

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

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

SDS EU (REACH Annex II)

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



Safety Data Sheet

according to Regulation (EU) 2015/830

Megazyme	Date of issue: 28/11/2013 Revision date: 16/01/2018 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	: Pectin Identification Assay Kit (Bottle 2)
Product code	: K-PECID (Bottle 2)
1.2. Relevant identified uses	s of the substance or mixture and uses advised against
1.2.1. Relevant identified uses	5
ndustrial/Professional use spec	: For professional use only
Jse 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	of the safety data sheet
Megazyme Bray Business Park A98 YV29 Bray - Ireland T +353 12861220 - F +353 1286120 <u>cs@megazyme.com</u> - <u>www.megazy</u>	
1.4. Emergency telephone n	lumber
Emergency number	: +353 12861220 [9 am to 5 pm GMT - Monday to Friday]
SECTION 2: Hazards ident	ification
2.1. Classification of the sub	bstance or mixture
	n health and environmental effects as not present any particular risk, provided it is handled in accordance with good occupational hygiene and saf
2.2. Label elements	
Labelling according to Regulation	n (EC) No. 1272/2008 [CL B]
No labelling applicable	
	on for inner packaging where the contents do not exceed 10ml
No labelling required	The mer packaging where the contents do not exceed form
2.3. Other hazards	
2.3. Other hazards No additional information available	
SECTION 3: Composition/i	information on ingredients
3.1. Substances	
Not applicable	
3.2. Mixtures	
This mixture does not contain any s	substances to be mentioned according to the criteria of section 3.2 of REACH annex II
SECTION 4: First aid meas	

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

5 5 (-)						
4.3. Indication of any immediate medical attention and special treatment needed						
Treat symptomatically.						
SECTION 5: Firefi	SECTION 5: Firefighting measures					
5.1. Extinguishin						
Suitable extinguishing n	nedia	: Water spray. Dry pow	der. Foam.			
5.2. Special haza	rds arising from the sul	ostance or mixture				
Hazardous decompositi	on products in case of	: Toxic fumes may be r	eleased.			
fire						
5.3. Advice for fir	refighters					
Protection during firefig	nting	: Do not attempt to take apparatus. Complete	e action without suitable p protective clothing.	rotective equipment. Self	-contained breathing	
SECTION 6: Accid	lental release meas	sures				
6.1. Personal pre	cautions, protective eq	uipment and emergency	procedures			
6.1.1. For non-eme	rgency personnel					
Emergency procedures		: Ventilate spillage area	a.			
6.1.2. For emergen	cy responders					
Protective equipment			e action without suitable p		further information	
		refer to section 8: "Ex	posure controls/personal	protection".		
6.2. Environment	al precautions					
Avoid release to the env	vironment.					
6.3. Methods and	I 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 aut	horized site.		
6.4. Reference to	other sections					
For further information r	efer to section 13.					
SECTION 7: Hand	ling and storage					
7.1. Precautions	for safe handling					
Precautions for safe ha	ndling	: Ensure good ventilation	on of the work station. We	ear personal protective ec	luipment.	
Hygiene measures		: Do not eat, drink or si product.	noke when using this pro	duct. Always wash hands	after handling the	
		•				
7.2. Conditions for Storage conditions	or sate storage, includir	ng any incompatibilities : Store in a well-ventila	ted place. Keep cool			
-						
7.3. Specific end						
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

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

Safety Data Sheet

according to Regulation (EU) 2015/830

Skin and body protection:

Wear suitable protective clothing

Туре	Standard
Lab coat	

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

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



Environmental exposure controls:

Avoid release to the environment.

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			

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
No dan	gerous reactions known under normal conditions of use.
10.4.	Conditions to avoid
NI	

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

Safety Data Sheet

according to Regulation (EU) 2015/830

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological infor	mation
11.1. Information on toxicological eff	ects
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 additional information available	
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessm	ent
No additional information available	
12.6. Other adverse effects	
No additional information available	
SECTION 13: Disposal consideration	ns
13.1. Waste treatment methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IATA / A	ADN
ADR	ΙΑΤΑ
14.1. UN number	
Not applicable	Not applicable
14.2. UN proper shipping name	Not applicable
Not applicable	Not applicable
14.3. Transport hazard class(es)	

Safety Data Sheet

according to Regulation (EU) 2015/830

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

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

SDS EU (REACH Annex II)

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



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 SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1. **Product identifier** Product form : Mixture Product name : Pectin Identification Assay Kit (Bottle 1) Product code : K-PECID (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. Megazyme Bray Business Park A98 YV29 Bray - Ireland T +353 12861220 - F +353 12861264 cs@megazyme.com - www.megazyme.com 1.4. **Emergency telephone 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 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	g according to Regulation (EC) No. 12	272/2008 [CLP]
EUH-state	tements	 EUH208 - Contains Lyase, pectate. May produce an allergic reaction. EUH210 - Safety data sheet available on request. EUH032 - Contact with acids liberates very toxic gas.
Labelling	g according to: exemption for inner p	ackaging where the contents do not exceed 10ml

No labelling required

Other hazards 2.3.

No additional information available

SECTIC	ON 3: Composition/information on ingredients
3.1.	Substances
Not applic	able
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 general	: Call a poison center or a doctor if you feel unwell.	
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.	
First-aid measures after skin contact	: Wash skin with plenty of water.	
First-aid measures after eye contact	: Rinse eyes with water as a precaution.	
15/03/2018	EN (English) 29	9/33

Pectin Identification Assay Kit (Bottle 1) Safety Data Sheet

Important symptoms and effects, both acute and delayed cts after inhalation : May cause allergy or asthma symptoms or breathing difficulties if inhaled. aution of any immediate medical attention and special treatment needed attecally. : : Firefighting media : Water spray. Dry powder. Foam. Carbon dioxide. : Gal hazerds arising from the substance or mixture : composition products in case of : Toxic furmes may be released. cc for firefightors : ng firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective dothing. : Accidental release measures : onan precautions, protective equipment and emergency procedures onaneergency personnel : cedures : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". commental precautions : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". cond : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". cond : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "	ccording to Regulation (EU) 2015/830	
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ation of any immediate medical attention and special treatment needed atteally. Firefighting measures guidshing media uishing media is Water spray. Dry powder. Foam. Carbon dioxide. iai hazards arising from the substance or mixture composition products in case of : Toxic fumes may be released. ce for firefighters ng firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. : Accidental release measures onal proceutions, protective equipment and emergency procedures non-emergency personnel cedures : Ventilate spillage area. Avoid breathing mist, spray, vapours. : Accidental release measures on a tempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". ronmental proceutions on the attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". ronmental proceutions on the environment. ods and material for containment and cleaning up training up : Take up liquid spill into absorbent material. on : Dispose of materials or solid residues at an authorized site. rence to other sections : Finsure good ventilation of the work station . Wear personal protective equipment. Avoid breathing mist, spray, vapours. area : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. : Bosoure a solid residues ons : Store in a well-ventilated place. Keep cool. : Constructs/personal protection : Ensure good ventilation place. Keep cool. : Constructs/personal protection : Ensure good ventilation place. Keep cool. : Constructs/personal protection : Store in a well-ventilated place. Keep cool. : Constructs/personal protection : Store in a well-ventilated place. Keep cool. : Constructs/personal protection : or or in a available : Exposure controls/personal p	I.2. Most important symptoms and eff	ects, both acute and delayed
atically:	Symptoms/effects after inhalation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Firefighting media : Water spray. Dry powder. Foam. Carbon dioxide. ising media : Water spray. Dry powder. Foam. Carbon dioxide. isin products in case of : Toxic fumes may be released. composition products in case of : Toxic fumes may be released. g firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. : Accidential release measures	I.3. Indication of any immediate media	cal attention and special treatment needed
againshing media : Water spray. Dry powder. Foam. Carbon dioxide. cial hazards arising from the substance or mixture	Treat symptomatically.	
uishing media : Water spray. Dry powder. Foam. Carbon dioxide. ial hazards arising from the substance or mixture composition products in case of : Toxic fumes may be released. ce for firefighters ag firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. : Accidental release measures contain proceedings, protective equipment and emergency procedures non-emergency personnel cedures : Ventilate spillage area. Avoid breathing mist, spray, vapours. emergency responders pment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". codures : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". codus and material for containment and cleaning up teating up : Take up liquid spill into absorbent material. on : Dispose of materials or solid residues at an authorized site. : Flandling and storage autons for safe handling : safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid breathing mist, spray, vapours. : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. : ditons for safe storage, including any incompatibilities ons : Store in a well-ventilated place. Keep cool. :: Exposure controls/personal protection : Exposure controls/personal protection : Exposure controls/personal protection tormation available	SECTION 5: Firefighting measures	
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composition products in case of : Toxic fumes may be released. ce for firefighters ng firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. : Accidental release measures	Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
ce for firefighters ng firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. cAccidental release measures onal precautions, protective equipment and emergency procedures non-emergency personnel cedures cedures : Ventilate spillage area. Avoid breathing mist, spray, vapours. emergency responders pment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". ronmental precautions 0 not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". ronmental precautions 0 not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". ronmental precautions 0 not attempt to take action without suitable protective equipment. For further information refer to section 13. thatchilding and storage : Take up liquid spill into absorbent material. on : Dispose of materials or solid residues at an authorized site. rence to other section 13. : thatchilding and storage : Do not at, drink or smoke when using this product. Always wash hands after handling the product. autions for safe storage, i	5.2. Special hazards arising from the s	substance or mixture
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apparatus. Complete protective clothing. cAccidental release measures onal precautions, protective equipment and emergency procedures non-emergency personnel ccedures : Ventilate spillage area. Avoid breathing mist, spray, vapours. emergency responders pment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". ronmental precautions o the environment. oods and material for containment and cleaning up : Take up liquid spill into absorbent material. on : Dispose of materials or solid residues at an authorized site. renee to other section 3. : chandling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid breathing mist, spray, vapours. ares : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. ditions for safe storage, including any incompatibilities ons ons : Store in a well-ventilated place. Keep cool. ific end use(s) iformation available formation available : Exposure controls/personal protection	5.3. Advice for firefighters	
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and material for containment and cleaning up : Take up liquid spill into absorbent material. on : Dispose of materials or solid residues at an authorized site. rence to other sections : rmation refer to section 13. : : Handling and storage : autions for safe handling : : safe handling : : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. ditions for safe storage, including any incompatibilities ons : Store in a well-ventilated place. Keep cool. : fife end use(s) ifformation available	6.2. Environmental precautions	
eaning up 1: Take up liquid spill into absorbent material. on 2: Dispose of materials or solid residues at an authorized site. rence to other sections rmation refer to section 13. : Handling and storage autions for safe handling : Safe handling 2: Ensure good ventilation of the work station. Wear personal protective equipment. Avoid breathing mist, spray, vapours. ares 2: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. ditions for safe storage, including any incompatibilities ons 2: Store in a well-ventilated place. Keep cool. cffic end use(s) formation available : Exposure controls/personal protection rrol parameters nformation available	Avoid release to the environment.	
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rence to other sections rmation refer to section 13.	Methods for cleaning up	
rmation refer to section 13. Handling and storage autions for safe handling safe handling safe handling c Ensure good ventilation of the work station. Wear personal protective equipment. Avoid breathing mist, spray, vapours. ures Do not eat, drink or smoke when using this product. Always wash hands after handling the product. ditions for safe storage, including any incompatibilities ons Store in a well-ventilated place. Keep cool. Exposure controls/personal protection rool parameters nformation available	Other information	: Dispose of materials or solid residues at an authorized site.
Handling and storage autions for safe handling Safe handling Ensure good ventilation of the work station. Wear personal protective equipment. Avoid breathing mist, spray, vapours. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. ditions for safe storage, including any incompatibilities ons Store in a well-ventilated place. Keep cool. Stific end use(s) Information available Exposure controls/personal protection formation available	6.4. Reference to other sections	
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ditions for safe storage, including any incompatibilities ions Store in a well-ventilated place. Keep cool. cific end use(s) information available : Exposure controls/personal protection trol parameters information available	Precautions for safe handling	
ons : Store in a well-ventilated place. Keep cool. cific end use(s) nformation available : Exposure controls/personal protection trol parameters nformation available	Hygiene measures	
cific end use(s) nformation available : Exposure controls/personal protection trol parameters nformation available	7.2. Conditions for safe storage, inclu	ding any incompatibilities
nformation available : Exposure controls/personal protection trol parameters nformation available	Storage conditions	: Store in a well-ventilated place. Keep cool.
: Exposure controls/personal protection trol parameters nformation available	7.3. Specific end use(s)	
rol parameters nformation available	No additional information available	
formation available	SECTION 8: Exposure controls/pe	rsonal protection
	8.1. Control parameters	
	No additional information available	
	8.2. Exposure controls Appropriate engineering 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 Data Sheet

according to Regulation (EU) 2015/830

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

Skin and body protection:

Wear suitable protective clothing

Туре	Standard
Lab coat	

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

Device	Filter type	Condition	Standard
Dust mask	Туре Р1	Protection for 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			
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			

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.

Safety Data Sheet

according to Regulation (EU) 2015/830

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.	

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

SECTION 11: Toxicological information	tion
SECTION 11: Toxicological information on toxicological effects	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
SECTION 12: Ecological information	n de la companya de l
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	ent
No additional information available	
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	ΙΑΤΑ
14.1. UN number	Net available

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.
EUH208	Contains . May produce an allergic reaction.
EUH210	Safety data sheet available on request.

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.