

Available Carbohydrates/Dietary Fiber Assay Kit

Kit Safety Information Sheet (SIS)

Issue date (US): 1/23/2018 Revision date (US): 4/11/2022 Supersedes (US): 4/30/2020 Version (US): 1.2

SECTION 1: Kit identification

1.1 Kit identifier

Product name

Product code

: Available Carbohydrates/Dietary Fiber Assay Kit

: K-ACHDF

1.2 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 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	Weight or Volume	Quantity	Unit	GHS US classification
Available Carbohydrates/Dietary Fiber Assay Kit (Bottle 7)	Reagent	F	BYS	pcs (pieces)	Resp. Sens. 1, H334
Available Carbohydrates/Dietary Fiber Assay Kit (Bottle 6)	Reagent		1	pcs (pieces)	Resp. Sens. 1, H334
Available Carbohydrates/Dietary Fiber Assay Kit (Bottle 5)	Reagent		1	pcs (pieces)	Resp. Sens. 1, H334
Available Carbohydrates/Dietary Fiber Assay Kit (Bottle 4)	Reagent		1	pcs (pieces)	Eye Dam. 1, H318 Resp. Sens. 1, H334
Available Carbohydrates/Dietary Fiber Assay Kit (Bottle 3)	Reagent		1	pcs (pieces)	Resp. Sens. 1, H334
Available Carbohydrates/Dietary Fiber Assay Kit (Bottle 1)	Buffer		1	pcs (pieces)	Skin Corr. 1C, H314 Eye Dam. 1, H318 Repr. 1B, H360
Available Carbohydrates/Dietary Fiber Assay Kit (Bottle 9)	Reagent		1	pcs (pieces)	Not classified
Available Carbohydrates/Dietary Fiber Assay Kit (Bottle 8)	Reagent		1	pcs (pieces)	Not classified

Available Carbohydrates/Dietary Fiber Assay Kit

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Name	General description	Weight or Volume	Quantity	Unit	GHS US classification
Available Carbohydrates/Dietary Fiber Assay Kit (Bottle 2)	Reagent		1	pcs (pieces)	Not classified

SECTION 4: General advice

No data available

SECTION 5: Safe handling advice	
Environmental precautions Storage conditions	 Avoid release to the environment 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 First-aid measures after inhalation	: Call a poison center/doctor/physician if you feel unwell : 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 measure	s

Protection during firefighting

:	Do not attempt to take action without suitable protective equipment
	Self-contained breathing apparatus
	Complete protective clothing
:	Toxic fumes may be released

Hazardous decomposition products in case of fire

SECTION 8: Transport information

In accordance with DOT / TDG / IMDG / IATA

8.1. UN number

Not regulated for transport

8.2. UN proper shipping name		
Proper Shipping Name (DOT) Proper Shipping Name (TDG) Proper Shipping Name (IMDG) Proper Shipping Name (IATA)	 Not applicable Not applicable Not applicable Not applicable 	
8.3. Transport hazard class(es)		
DOT Transport hazard class(es) (DOT)	: Not applicable	
TDG Transport hazard class(es) (TDG)	: Not applicable	

Available Carbohydrates/Dietary Fiber Assay Kit

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IMDG Transport hazard class(es) (IMDG)	: Not applicable
IATA Transport hazard class(es) (IATA)	: Not applicable
8.4. Packing group	
Packing group (DOT) Packing group (TDG) Packing group (IMDG) Packing group (IATA)	 Not applicable Not applicable Not applicable Not applicable
8.5. Environmental hazards	
Other information	: No supplementary information available.
8.6. Special precautions for user	
DOT No data available	
TDG No data available	
IMDG No data available	
IATA No data available	EP
8.7. Transport in bulk according to Annex	c II of MARPOL 73/78 and the IBC Code
Not applicable	

SECTION 9: Other information

No data available



Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 1/23/2018 Revision date: 3/10/2022 Supersedes: 1/23/2018 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form Product name Product code	 Mixture Available Carbohydrates/Dietary Fiber Assay Kit (Bottle 9) K-ACHDF (Bottle 9)
1.2. Recommended use and restrictions o	on use
Use of the substance/mixture	: Use as laboratory reagent
1.3. Supplier	
Megazyme Bray Business Park Bray, County Wicklow, A98 YV29 Ireland T +353 12861220 - F +353 12861264 <u>cs@megazyme.com</u> - <u>www.megazyme.com</u>	
1.4. Emergency telephone number	
Emergency number	: +353 12861220 [9 am to 5 pm GMT - Monday to Friday]
SECTION 2: Hazard(s) identification	
2.1. Classification of the substance or mix	xture
GHS US classification Not classified	
2.2. GHS Label elements, including preca	utionary statements
GHS US labeling No labeling applicable	
2.3. Other hazards which do not result in	classification
No additional information available	
2.4. Unknown acute toxicity (GHS US)	
No additional information available	
SECTION 3: Composition/Information	n 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 HazCom 2012

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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/doctor/physician if you feel unwell. 4.2. Most important symptoms and effects (acute and delayed) No additional information available 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures	
5.1. Suitable (and unsuitable) extinguishing	g media
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
5.2. Specific hazards arising from the chen	nical
Hazardous decomposition products in case of fire	: Toxic fumes may be released.
5.3. Special protective equipment and prec	autio <mark>ns for fire-fighters</mark>
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures	s
6.1. Personal precautions, protective equipment	ent 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 an	nd cleaning up
Methods for cleaning up : Other information :	Take up liquid spill into absorbent material. Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

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SECTION 7: Handling	g and storage				
7.1. Precautions for sa	fe handling				
Precautions for safe handlin Hygiene measures	•	Ensure good ventilation of the w Do not eat, drink or smoke when product.			
7.2. Conditions for safe	e storage, including any	/ incompatibilities			
Storage conditions	:	Store in a well-ventilated place.	Keep cool.		
SECTION 8: Exposu	re controls/personal	protection			
8.1. Control parameters	S				
Available Carbohydrat	es/Dietary Fiber Assay	Kit (Bottle 9)			
No additional information a	vailable				
8.2. Appropriate engine	eering controls				
Appropriate engineering cor Environmental exposure co		Ensure good ventilation of the w Avoid release to the environmer			
8.3. Individual protection	on measures/Personal	protective equipment			
Hand protection:		ビリ葉			
Protective gloves					
Туре	Material	Permeation	Thickness (m	n)	Penetration
Disposable gloves	Nitrile rubber (NBR)	3 (> 60 minutes)			2 (< 1.5)
Eye protection:					
Safety glasses					
Туре		Field of application		Characteristic	S
Safety glasses		Droplet		With side shiel	ds
Skin and body protection	:				
Wear suitable protective clo	othing				
Туре					
Lab coat					
Respiratory protection:					
In case of insufficient ventil	lation, wear suitable respirat	ory equipment			
Personal protective equip	ment symbol(s):				



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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 9: Physical and chemical p	roperties
9.1. Information on basic physical and ch	iemical properties
Physical state	: Liquid
Color	: Colorless
Odor	: characteristic
Odor threshold	: No data available
рН	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
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.

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SECTION 11: Toxicological info	rmation
11.1. Information on toxicological	effects
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation) Skin corrosion/irritation	: Not classified : Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: 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
Viscosity, kinematic	: No data available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general

: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

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12.3. Bioaccumulative potential

12.2. Persistence and degradability

No additional information available

No additional information available

12.4.	Mo	bility	y in :	soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods

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

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

14.1. UN number

DOT NA No			
UN-No. (TDG)			
UN-No. (IMDG)			
UN-No. (IATA)			

: Not applicable : Not applicable

- : Not applicable
 - : Not applicable

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

14.2. UN proper shipping name	
Proper Shipping Name (DOT) Proper Shipping Name (TDG) Proper Shipping Name (IMDG) Proper Shipping Name (IATA)	 Not applicable Not applicable Not applicable Not applicable
14.3. Transport hazard class(es)	
DOT Transport hazard class(es) (DOT)	: Not applicable
TDG Transport hazard class(es) (TDG)	: Not applicable
IMDG Transport hazard class(es) (IMDG)	: Not applicable
IATA Transport hazard class(es) (IATA)	: Not applicable
14.4. Packing group	
Packing group (DOT) Packing group (TDG) Packing group (IMDG) Packing group (IATA)	 Not applicable Not applicable Not applicable Not applicable
14.5. Environmental hazards	
Other information	: No supplementary information available.
14.6. Special precautions for user	
DOT Not applicable	
TDG Not applicable	
IMDG Not applicable	
IATA Not applicable	
14.7. Transport in bulk according to Ann	ex II of MARPOL 73/78 and the IBC Code
Not applicable	

SECTION 15: Regulatory information

15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA): No data available

15.2. International regulations

CANADA

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date : 3/10/2022

Safety Data Sheet (SDS), USA

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

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SECTION 1: Identification	
1.1. Identification	
Product form Product name Product code	 Mixture Available Carbohydrates/Dietary Fiber Assay Kit (Bottle 8) K-ACHDF (Bottle 8)
1.2. Recommended use and restrictions of	on use
Use of the substance/mixture	: Use as laboratory reagent
1.3. Supplier	
Megazyme Bray Business Park Bray, County Wicklow, A98 YV29 Ireland T +353 12861220 - F +353 12861264 <u>cs@megazyme.com</u> - <u>www.megazyme.com</u>	
1.4. Emergency telephone number	
Emergency number	: +353 12861220 [9 am to 5 pm GMT - Monday to Friday]
SECTION 2: Hazard(s) identification	
2.1. Classification of the substance or mi	xture
GHS US classification Not classified	
2.2. GHS Label elements, including preca	utionary statements
GHS US labeling No labeling applicable	
2.3. Other hazards which do not result in	classification
No additional information available	
2.4. Unknown acute toxicity (GHS US)	
No additional information available	
SECTION 3: Composition/Information	n 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 HazCom 2012

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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/doctor/physician if you feel unwell. 4.2. Most important symptoms and effects (acute and delayed) No additional information available 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures				
5.1. Suitable (and unsuitable) extinguishing	g media			
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.			
5.2. Specific hazards arising from the chem	nical			
Hazardous decomposition products in case of fire	: Toxic fumes may be released.			
5.3. Special protective equipment and prec	autio <mark>ns for fire-fighters</mark>			
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.			

SECTION 6: Accidental release measures				
6.1. Personal precautions, protective equipment and emergency procedures				
6.1.1. For non-emergency personnel				
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 : Other information :	Take up liquid spill into absorbent material. 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 Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 7: Handling	g and storage					
7.1. Precautions for sa	fe handling					
Precautions for safe handling : Ensure good ventilation of the work station. Wear personal product. Hygiene measures : Do not eat, drink or smoke when using this product. Always w product.						
7.2. Conditions for safe	e storage, including any	y incompatibilities				
Storage conditions	:	Store in a well-ventilated place.	Keep cool.			
SECTION 8: Exposu	re controls/personal	protection				
8.1. Control parameters	S					
Available Carbohydrat	es/Dietary Fiber Assay	Kit (Bottle 8)				
No additional information a	vailable					
8.2. Appropriate engine	eering controls					
Appropriate engineering cor Environmental exposure cor		Ensure good ventilation of the w Avoid release to the environmer				
8.3. Individual protection	on measures/Personal	protective equipment				
Hand protection:	Hand protection:					
Protective gloves	-		Y			
Туре	Material	Permeation	Thickness (m	m)	Penetration	
Disposable gloves	Nitrile rubber (NBR)	3 (> 60 minutes)			2 (< 1.5)	
Eye protection:						
Safety glasses						
Туре		Field of application		Characteristics		
Safety glasses		Droplet		With side shields		
Skin and body protection:						
Wear suitable protective clothing						
Туре						
Lab coat						
Respiratory protection:						
In case of insufficient ventilation, wear suitable respiratory equipment						
Personal protective equipment symbol(s):						



Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 9: Physical and chemical properties			
9.1. Information on basic physical and ch	nemical properties		
Physical state	: Liquid		
Color	: milky		
Odor	: characteristic		
Odor threshold	: No data available		
PH	: No data available		
Melting point	: Not applicable		
Freezing point	: No data available		
Boiling point	: No data available		
Flash point	: No data available		
Relative evaporation rate (butyl acetate=1)	: No data available		
Flammability (solid, gas)	: Not applicable.		
Vapor pressure	: No data available		
Relative vapor density at 20°C	: No data available		
Relative density	: No data available		
Solubility	: Soluble in water.		
Partition coefficient n-octanol/water (Log Pow)	: No data available		
Auto-ignition temperature	: No data available		
Decomposition temperature	: No data available		
Viscosity, kinematic	: No data available		
Viscosity, dynamic	: No data available		
Explosion limits	: No data available		
Explosive properties	: No data available		
Oxidizing properties	: No data available		
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.

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

11.1. Information on toxicological e	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 sensitization	: 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
Viscosity, kinematic	: No data available

SECTION	12: Ecological information	

12.1. Toxicity

Ecology - general

: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

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12.3. Bioaccumulative potential

12.2. Persistence and degradability

No additional information available

No additional information available

12.4.	Mo	bility	y in :	soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods

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

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

14.1. UN number

DOT NA No				
UN-No. (TDG)				
UN-No. (IMDG)				
UN-No. (IATA)				

: Not applicable : Not applicable

- : Not applicable
 - : Not applicable

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

14.2. UN proper shipping name	
Proper Shipping Name (DOT) Proper Shipping Name (TDG) Proper Shipping Name (IMDG) Proper Shipping Name (IATA)	 Not applicable Not applicable Not applicable Not applicable
14.3. Transport hazard class(es)	
DOT Transport hazard class(es) (DOT)	: Not applicable
TDG Transport hazard class(es) (TDG)	: Not applicable
IMDG Transport hazard class(es) (IMDG)	: Not applicable
IATA Transport hazard class(es) (IATA)	: Not applicable
14.4. Packing group	
Packing group (DOT) Packing group (TDG) Packing group (IMDG) Packing group (IATA)	 Not applicable Not applicable Not applicable Not applicable
14.5. Environmental hazards	
Other information	: No supplementary information available.
14.6. Special precautions for user	
DOT Not applicable	
TDG Not applicable	
IMDG Not applicable	
IATA Not applicable	
14.7. Transport in bulk according to Ann	nex II of MARPOL 73/78 and the IBC Code
Not applicable	

SECTION 15: Regulatory information

15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA): No data available

15.2. International regulations

CANADA

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date : 3/10/2022

Safety Data Sheet (SDS), USA

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





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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 1/23/2018 Revision date: 3/10/2022 Supersedes: 1/23/2018 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form Product name Product code	 Mixture Available Carbohydrates/Dietary Fiber Assay Kit (Bottle 7) K-ACHDF (Bottle 7)
1.2. Recommended use and restrictions of	on use
Use of the substance/mixture	: Use as laboratory reagent
1.3. Supplier	
Megazyme Bray Business Park Bray, County Wicklow, A98 YV29 Ireland T +353 12861220 - F +353 12861264 <u>cs@megazyme.com</u> - <u>www.megazyme.com</u>	
1.4. Emergency telephone number	
Emergency number SECTION 2: Hazard(s) identification	: +353 12861220 [9 am to 5 pm GMT - Monday to Friday]
2.1. Classification of the substance or mi	xture
GHS US classification	
Respiratory sensitization, Category 1	May cause an allergy or asthma symptoms or breathing difficulties if inhaled
2.2. GHS Label elements, including preca	utionary statements
GHS US labeling Hazard pictograms (GHS US)	
Signal word (GHS US) Hazard statements (GHS US) Precautionary statements (GHS US)	 Danger May cause an allergy or asthma symptoms or breathing difficulties if inhaled Avoid breathing spray, mist. [In case of inadequate ventilation] wear Dust respirator. If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER, a doctor. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation
2.3. Other hazards which do not result in	classification
No additional information available	
2.4. Unknown acute toxicity (GHS US)	

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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 3: Composition/Information on ingredients 3.1. Substances Not applicable 3.2. Mixtures Name Common **Product identifier** % **GHS US classification** Name (Synonyms) Kinase (phosphorylating), hexo-, Hexokinase CAS-No.: 9001-51-8 0.1 – 1 Resp. Sens. 1, H334 Full text of hazard classes and H-statements : see section 16 **SECTION 4: First-aid measures** 4.1. Description of first aid measures First-aid measures general : Call a poison center/doctor/physician if you feel unwell. : Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory First-aid measures after inhalation symptoms: Call a poison center or a doctor. Wash skin with plenty of water. First-aid measures after skin contact : First-aid measures after eye contact ÷ Rinse eyes with water as a precaution. First-aid measures after ingestion Call a poison center/doctor/physician if you feel unwell. ٠ 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media			
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.		
5.2. Specific hazards arising from the chemical			
Hazardous decomposition products in case of fire	: Toxic fumes may be released.		
5.3. Special protective equipment and precautions for fire-fighters			
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.		

: May cause an allergy or asthma symptoms or breathing difficulties if inhaled.

SECTION 6: Accidental release measures			
6.1. Personal precautions, protectiv	ve equipment and emergency procedures		
6.1.1. For non-emergency personnel			
Emergency procedures	: Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapors/spray.		
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".		

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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations				
6.2. Environmental pre	cautions			
Avoid release to the environ	iment.			
6.3. Methods and mate	rial for containment and	d cleaning up		
Methods for cleaning up Other information		Take up liquid spill into absorber Dispose of materials or solid res		
6.4. Reference to other	sections			
For further information refer	to section 13.			
SECTION 7: Handling	g and storage			
7.1. Precautions for sa	fe handling			
Precautions for safe handlin	-	Ensure good ventilation of the w breathing dust/fume/gas/mist/va		ective equipment. Avoid
Hygiene measures	:	Do not eat, drink or smoke wher product.		sh hands after handling the
7.2. Conditions for safe storage, including any incompatibilities				
7.2. Conditions for safe	e storage, merading any			
7.2. Conditions for safe Storage conditions		Store in a well-ventilated place.	Keep cool.	
Storage conditions SECTION 8: Exposure 8.1. Control parameters	re controls/personal p s	Store in a well-ventilated place.	Keep cool.	
Storage conditions SECTION 8: Exposure 8.1. Control parameters	re controls/personal p s tes/Dietary Fiber Assay	Store in a well-ventilated place.	Keep cool.	
Storage conditions SECTION 8: Exposur 8.1. Control parameter Available Carbohydrat No additional information a	re controls/personal p s tes/Dietary Fiber Assay vailable	Store in a well-ventilated place.	Keep cool.	
Storage conditions SECTION 8: Exposur 8.1. Control parameter Available Carbohydrat No additional information a	re controls/personal p s tes/Dietary Fiber Assay vailable ng), hexo-, Hexokinase	Store in a well-ventilated place.	Keep cool.	
Storage conditions SECTION 8: Exposur 8.1. Control parameters Available Carbohydrat No additional information a Kinase (phosphorylati	re controls/personal p s tes/Dietary Fiber Assay vailable ng), hexo-, Hexokinase vailable	Store in a well-ventilated place.	Keep cool.	
Storage conditions SECTION 8: Exposur 8.1. Control parameter Available Carbohydrat No additional information a Kinase (phosphorylati No additional information a	re controls/personal p s tes/Dietary Fiber Assay vailable ng), hexo-, Hexokinase vailable eering controls	Store in a well-ventilated place.	ork station.	
Storage conditions SECTION 8: Exposur 8.1. Control parameter Available Carbohydrat No additional information a Kinase (phosphorylati No additional information a 8.2. Appropriate engine Appropriate engineering cor Environmental exposure cor	re controls/personal p s tes/Dietary Fiber Assay vailable ng), hexo-, Hexokinase vailable eering controls	Store in a well-ventilated place. Orotection Kit (Bottle 7) (9001-51-8) Ensure good ventilation of the w Avoid release to the environmer	ork station.	
Storage conditions SECTION 8: Exposur 8.1. Control parameter Available Carbohydrat No additional information a Kinase (phosphorylati No additional information a 8.2. Appropriate engine Appropriate engineering cor Environmental exposure cor	re controls/personal p s tes/Dietary Fiber Assay vailable ng), hexo-, Hexokinase vailable eering controls ntrols	Store in a well-ventilated place. Orotection Kit (Bottle 7) (9001-51-8) Ensure good ventilation of the w Avoid release to the environmer	ork station.	
Storage conditions SECTION 8: Exposur 8.1. Control parameter Available Carbohydrat No additional information a Kinase (phosphorylati No additional information a 8.2. Appropriate engineering cor Environmental exposure cor 8.3. Individual protection	re controls/personal p s tes/Dietary Fiber Assay vailable ng), hexo-, Hexokinase vailable eering controls ntrols	Store in a well-ventilated place. Orotection Kit (Bottle 7) (9001-51-8) Ensure good ventilation of the w Avoid release to the environmer	ork station.	
Storage conditions SECTION 8: Exposur 8.1. Control parameters Available Carbohydrat No additional information a Kinase (phosphorylati No additional information a 8.2. Appropriate engineering cor Environmental exposure cor 8.3. Individual protection:	re controls/personal p s tes/Dietary Fiber Assay vailable ng), hexo-, Hexokinase vailable eering controls ntrols	Store in a well-ventilated place. Orotection Kit (Bottle 7) (9001-51-8) Ensure good ventilation of the w Avoid release to the environmer	ork station.	Penetration

Eye protection:

Safety glasses		
Туре	Field of application	Characteristics
Safety glasses	Droplet	With side shields

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Skin and body protection:
Wear suitable protective clothing
Туре
Lab coat
Respiratory protection:
[In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: milky
Odor	: characteristic
Odor threshold	: No data available
рН	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

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.

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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 inform	ation
11.1. Information on toxicological effect	cts
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation) Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure STOT-repeated exposure Aspiration hazard Viscosity, kinematic	 Not classified Not classified Not classified Not classified May cause an allergy or asthma symptoms or breathing difficulties if inhaled. Not classified
Symptoms/effects after inhalation	: May cause an allergy or asthma symptoms or breathing difficulties if inhaled.

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
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. Other adverse effects	
No additional information available	

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SECTION 13: Disposal consideration	S
13.1. Disposal methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTION 14: Transport information	
In accordance with DOT / TDG / IMDG / IATA	
14.1. UN number	
DOT NA No UN-No. (TDG) UN-No. (IMDG) UN-No. (IATA)	 Not applicable Not applicable Not applicable Not applicable
14.2. UN proper shipping name	
Proper Shipping Name (DOT) Proper Shipping Name (TDG) Proper Shipping Name (IMDG) Proper Shipping Name (IATA)	 Not applicable Not applicable Not applicable Not applicable
14.3. Transport hazard class(es)	
DOT Transport hazard class(es) (DOT)	: Not applicable
TDG Transport hazard class(es) (TDG)	: Not applicable
IMDG Transport hazard class(es) (IMDG)	: Not applicable
IATA Transport hazard class(es) (IATA)	: Not applicable
14.4. Packing group	
Packing group (DOT) Packing group (TDG) Packing group (IMDG) Packing group (IATA)	 Not applicable Not applicable Not applicable Not applicable
14.5. Environmental hazards	
Other information	: No supplementary information available.
14.6. Special precautions for user	
DOT Not applicable	
TDG Not applicable	
IMDG Not applicable	
IATA Not applicable	

Not applicable

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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Kinase (phosphorylating), hexo-, Hexokinase	9001-51-8	Not present	-	

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

No additional information available



SECTION 16: Other information

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Safety Data Sheet (SDS), USA

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 Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 11/13/2017 Revision date: 3/10/2022 Supersedes: 11/13/2017 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form Product name Product code	: Mixture : Available Carbohydrates/Dietary Fiber Assay Kit (Bottle 6) : K-ACHDF (Bottle 6)
1.2. Recommended use and restrictions of	on use
Use of the substance/mixture	: Use as laboratory reagent
1.3. Supplier	
Manufacturer Megazyme Bray Business Park Bray, County Wicklow, A98 YV29 Ireland T +353 12861220 - F +353 12861264 <u>cs@megazyme.com</u> - <u>www.megazyme.com</u>	
1.4. Emergency telephone number	
Emergency number SECTION 2: Hazard(s) identification	: +353 12861220 [9 am to 5 pm GMT - Monday to Friday]
2.1. Classification of the substance or mi	ixture
GHS US classification	
Respiratory sensitization, Category 1	May cause an allergy or asthma symptoms or breathing difficulties if inhaled
2.2. GHS Label elements, including preca	autionary statements
GHS US labeling	
Hazard pictograms (GHS US) Signal word (GHS US) Hazard statements (GHS US) Precautionary statements (GHS US)	 : Longer : Danger : May cause an allergy or asthma symptoms or breathing difficulties if inhaled : Avoid breathing mist, spray, vapors. [In case of inadequate ventilation] wear respiratory protection. If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a doctor, a POISON CENTER. Dispose of contents/container to
	LUSUOSE OF COMPHIS/COMPHIELIO
2.3. Other hazards which do not result in	
2.3. Other hazards which do not result in No additional information available	

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SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Common Name (Synonyms)	Product identifier	%	GHS US classification
Galactosidase, β-		CAS-No.: 9031-11-2	60 – 70	Resp. Sens. 1, H334
Glucosidase (alpha), maltase		CAS-No.: 9001-42-7	30 – 40	Resp. Sens. 1, H334

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Call a poison center/doctor/physician 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.
First-aid measures after ingestion	: Call a poison center/doctor/physician if you feel unwell.
4.2. Most important symptoms and e	ffects (acute and delayed)
Symptoms/effects after inhalation	: May cause an allergy or asthma symptoms or breathing difficulties if inhaled.
4.2 Immodiate modical attention and	appaid tractment if personany

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures	
5.1. Suitable (and unsuitable) extinguishin	g media
Suitable extinguishing media	: Water spray. Dry powder. Foam.
5.2. Specific hazards arising from the cher	nical
Hazardous decomposition products in case of fire	: Toxic fumes may be released.
5.3. Special protective equipment and prec	cautions for fire-fighters
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures
6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapors/spray.

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6.1.2. For emergency resp	onders			
Protective equipment		Do not attempt to take action wit to section 8: "Exposure controls/		ent. For further information refer
6.2. Environmental pred	cautions			
Avoid release to the environ	ment.			
6.3. Methods and mater	rial for containment and	d cleaning up		
Methods for cleaning up Other information		Mechanically recover the produc Dispose of materials or solid res		
6.4. Reference to other	sections			
For further information refer	to section 13.			
SECTION 7: Handling	g and storage			
7.1. Precautions for saf	e handling			
Precautions for safe handlin	•	Ensure good ventilation of the w		ctive equipment. Avoid
Hygiene measures	:	breathing dust/fume/gas/mist/va Do not eat, drink or smoke when product.		h hands after handling the
7.2. Conditions for safe				
Storage conditions		Store in a well-ventilated place.	Keep cool.	
SECTION 8: Exposur	e controls/personal p	protection		
8.1. Control parameters	3			
Available Carbohydrat	es/Dietary Fiber Assay	Kit (Bottle 6)		
No additional information av	vailable			
Glucosidase (alpha), m	naltase (9001-42-7)			
No additional information av	vailable			
Galactosidase, β- (903	1-11-2)			
No additional information av	vailable			
8.2. Appropriate engine	eering controls			
Appropriate engineering con Environmental exposure cor		Ensure good ventilation of the w Avoid release to the environmen		
8.3. Individual protection	on measures/Personal p	protective equipment		
Hand protection:				
Protective gloves				
Туре	Material	Permeation	Thickness (mm)	Penetration
Disposable gloves	Nitrile rubber (NBR)	3 (> 60 minutes)		2 (< 1.5)

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Eye protection:		
Safety glasses		
Туре	Field of application	Characteristics
Safety glasses	Dust	With side shields
Skin and body protection:		
Wear suitable protective clothing		
Туре		
Lab coat		
Respiratory protection:		
[In case of inadequate ventilation] wear respiratory prote	ection.	

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical	properties		
9.1. Information on basic physical and	chemical properties		i
Physical state	: Solid	FFIT	i.
Color	: white		
Odor	: None		
Odor threshold	: No data available		
рН	: No data available		
Melting point	: No data available		
Freezing point	: Not applicable		
Boiling point	: No data available		
Flash point	: Not applicable		
Relative evaporation rate (butyl acetate=1)	: No data available		
Flammability (solid, gas)	: Non flammable.		
Vapor pressure	: No data available		
Relative vapor density at 20°C	: No data available		
Relative density	: Not applicable		
Solubility	: Soluble in water.		
Partition coefficient n-octanol/water (Log Pow)	: No data available		
Auto-ignition temperature	: Not applicable		
Decomposition temperature	: No data available		
Viscosity, kinematic	: Not applicable		
Viscosity, dynamic	: No data available		
Explosion limits	: Not applicable		
Explosive properties	: No data available		
Oxidizing properties	: No data available		

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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 information

11.1. Information on toxicological effects	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: May cause an allergy or asthma symptoms or breathing difficulties if inhaled.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: Not applicable
Symptoms/effects after inhalation	: May cause an allergy or asthma symptoms or breathing difficulties if inhaled.

SECTION 12: Ecological information 12.1. Toxicity Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. 12.2. Persistence and degradability No additional information available

12.3. Bioaccumulative potential

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12.4. Mobility in soil	
No additional information available	
12.5. Other adverse effects	
No additional information available	
SECTION 13: Disposal considerations	
13.1. Disposal methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTION 14: Transport information	
In accordance with DOT / TDG / IMDG / IATA	
14.1. UN number	
	: Not applicable
UN-No. (TDG) UN-No. (IMDG)	: Not applicable : Not applicable
UN-No. (IATA)	Not applicable
14.2. UN proper shipping name	
Proper Shipping Name (DOT)	: Not applicable
Proper Shipping Name (TDG) Proper Shipping Name (IMDG)	: Not applicable EECA
Proper Shipping Name (IATA)	: Not applicable
14.3. Transport hazard class(es)	
DOT Transport hazard class(es) (DOT)	: Not applicable
TDG Transport hazard class(es) (TDG)	: Not applicable
IMDG	
Transport hazard class(es) (IMDG)	: Not applicable
ΙΑΤΑ	
Transport hazard class(es) (IATA)	: Not applicable
14.4. Packing group	
Packing group (DOT) Packing group (TDG)	: Not applicable : Not applicable
Packing group (TDG) Packing group (IMDG)	: Not applicable
Packing group (IATA)	Not applicable
14.5. Environmental hazards	
Other information	: No supplementary information available.
14.6. Special precautions for user	
DOT Nationalizable	
Not applicable	

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TDG

Not applicable

IMDG

Not applicable

IATA

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Glucosidase (alpha), maltase	9001-42-7	Not present	-	
Galactosidase, β-	9031-11-2	Not present	-	

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

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Safety Data Sheet (SDS), USA

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





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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 9/7/2017 Revision date: 3/10/2022 Supersedes: 9/7/2017 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form Product name Product code	: Mixture : Available Carbohydrates/Dietary Fiber Assay Kit (Bottle 5) : K-ACHDF (Bottle 5)
1.2. Recommended use and restrictions o	n use
Use of the substance/mixture	: Use as laboratory reagent
1.3. Supplier	
Megazyme Bray Business Park Bray, County Wicklow, A98 YV29 Ireland T +353 12861220 - F +353 12861264 <u>cs@megazyme.com</u> - <u>www.megazyme.com</u>	
1.4. Emergency telephone number	
Emergency number	: +353 12861220 [9 am to 5 pm GMT - Monday to Friday]
SECTION 2: Hazard(s) identification	
2.1. Classification of the substance or mix	xture
GHS US classification	
Respiratory sensitization, Category 1	May cause an allergy or asthma symptoms or breathing difficulties if inhaled
2.2. GHS Label elements, including preca	utionary statements
GHS US labeling	
Hazard pictograms (GHS US)	
Signal word (GHS US) Hazard statements (GHS US) Precautionary statements (GHS US)	 Danger May cause an allergy or asthma symptoms or breathing difficulties if inhaled Avoid breathing spray, mist. [In case of inadequate ventilation] wear Dust respirator. If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER, a doctor. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation
2.3. Other hazards which do not result in	classification
No additional information available	
2.4. Unknown acute toxicity (GHS US)	

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SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Common Name (Synonyms)	Product identifier	%	GHS US classification
Glucoamylase	Glucan 1,4- .alpha glucosidase / Amyloglucosidase / Amylase .gamma., amylase gluco / Glucoamylase / AMYLOGLUCOSI DASE / 4alpha D-Glucan glucohydrolase	CAS-No.: 9032-08-0	5 – 10	Resp. Sens. 1, H334

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures	CD 推光
4.1. Description of first aid measures	
First-aid measures general	: Call a poison center/doctor/physician 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.
First-aid measures after ingestion	: Call a poison center/doctor/physician if you feel unwell.
4.2. Most important symptoms and effect	ts (acute and delayed)
Symptoms/effects after inhalation	: May cause an allergy or asthma symptoms or breathing difficulties if inhaled.
4.3. Immediate medical attention and sp	ecial treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures	
5.1. Suitable (and unsuitable) extinguishing	g media
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
5.2. Specific hazards arising from the chen	nical
Hazardous decomposition products in case of fire	: Toxic fumes may be released.
5.3. Special protective equipment and prec	autions for fire-fighters
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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SECTION 6: Accidental release measure	es
6.1. Personal precautions, protective equipr	nent and emergency procedures
6.1.1. For non-emergency personnel Emergency procedures	: Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapors/spray.
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 a	and cleaning up
Methods for cleaning up Other information	Take up liquid spill into absorbent material.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. Avoid breathing dust/fume/gas/mist/vapors/spray.
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 a	ny incompatibilities
Storage conditions	: Store in a well-ventilated place. Keep cool.
SECTION 8: Exposure controls/persona	al protection
8.1. Control parameters	
Available Carbohydrates/Dietary Fiber Assa	ay Kit (Bottle 5)
No additional information available	
Glucoamylase (9032-08-0)	
No additional information available	
8.2. Appropriate engineering controls	
Appropriate engineering controls Environmental exposure controls	Ensure good ventilation of the work station.Avoid release to the environment.
8.3. Individual protection measures/Persona	al protective equipment
Hand protection:	
Protective gloves	

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Туре	Material	Permeation	Thickness (mm)		Penetration	
Disposable gloves	Nitrile rubber (NBR)	3 (> 60 minutes)			2 (< 1.5)	
Eye protection:						
Safety glasses						
Туре		Field of application Characteristics		S		
Safety glasses		Droplet With s		With side shiel	With side shields	
Skin and body protection	1:					
Wear suitable protective cl	othing					
Туре						
Lab coat						
Respiratory protection:						
[In case of inadequate ven	tilation] wear respiratory prot	tection.				

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Colorless
Odor	: characteristic
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

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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 information

11.1. Information on toxicological effects	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: May cause an allergy or asthma symptoms or breathing difficulties if inhaled.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects after inhalation	: May cause an allergy or asthma symptoms or breathing difficulties if inhaled.

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
12.2. Persistence and degradability	
No additional information available	

12.3. Bioaccumulative potential

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

12.4. Mobility in soil	
No additional information available	
12.5. Other adverse effects	
No additional information available	
SECTION 13: Disposal considerations	
13.1. Disposal methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTION 14: Transport information	
In accordance with DOT / TDG / IMDG / IATA	
14.1. UN number	
DOT NA No	: Not applicable
UN-No. (TDG) UN-No. (IMDG)	: Not applicable : Not applicable
UN-No. (IATA)	: Not applicable
14.2. UN proper shipping name	
Proper Shipping Name (DOT)	: Not applicable
Proper Shipping Name (TDG) Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
14.3. Transport hazard class(es)	
DOT	. Net emlieghte
Transport hazard class(es) (DOT)	: Not applicable
TDG Transport hazard class(es) (TDG)	: Not applicable
IMDG Transport hazard class(es) (IMDG)	: Not applicable
ΙΑΤΑ	
Transport hazard class(es) (IATA)	: Not applicable
14.4. Packing group	
Packing group (DOT) Packing group (TDG)	: Not applicable : Not applicable
Packing group (IDG) Packing group (IMDG)	: Not applicable
Packing group (IATA)	Not applicable
14.5. Environmental hazards	
Other information	: No supplementary information available.
14.6. Special precautions for user	
DOT Not applicable	

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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

TDG

Not applicable

IMDG

Not applicable

IATA

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Glucoamylase	9032-08-0	Present	Active	XU

15.2. International regulations

CANADA

Glucoamylase (9032-08-0)		-tete ladad
Listed on the Canadian DSL (Domestic Substances List)	P	

EU-Regulations

Glucoamylase (9032-08-0)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Glucoamylase (9032-08-0)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on CICR (Turkish Inventory and Control of Chemicals)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations

No additional information available

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date : 3/10/2022

Safety Data Sheet (SDS), USA

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 Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 9/7/2017 Revision date: 3/10/2022 Supersedes: 9/7/2017 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form Product name Product code	 Mixture Available Carbohydrates/Dietary Fiber Assay Kit (Bottle 4) K-ACHDF (Bottle 4)
1.2. Recommended use and restrictions of	on use
Use of the substance/mixture	: Use as laboratory reagent
1.3. Supplier	
Megazyme Bray Business Park Bray, County Wicklow, A98 YV29 Ireland T +353 12861220 - F +353 12861264 <u>cs@megazyme.com</u> - <u>www.megazyme.com</u>	
1.4. Emergency telephone number	
Emergency number	: +353 12861220 [9 am to 5 pm GMT - Monday to Friday]
SECTION 2: Hazard(s) identification	
2.1. Classification of the substance or mi	xture
GHS US classification	
Serious eye damage/eye irritation Category 1 Respiratory sensitization, Category 1	Causes serious eye damage May cause an allergy or asthma symptoms or breathing difficulties if inhaled
2.2. GHS Label elements, including preca	autionary statements
GHS US labeling	
Hazard pictograms (GHS US)	
Signal word (GHS US) Hazard statements (GHS US)	 Danger Causes serious eye damage May cause an allergy or asthma symptoms or breathing difficulties if inhaled
Precautionary statements (GHS US)	 Avoid breathing spray, mist. Wear protective gloves, protective clothing, eye protection [In case of inadequate ventilation] wear Dust respirator. If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
2.3. Other hazards which do not result in	

No additional information available

Safety Data Sheet

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2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Common Name (Synonyms)	Product identifier	%	GHS US classification
subtilisin		CAS-No.: 9014-01-1	5 – 10	Skin Irrit. 2, H315 Eye Dam. 1, H318 Resp. Sens. 1, H334 STOT SE 3, H335

Full text of hazard classes and H-statements : see section 16

: Call a poison center/doctor/physician if you feel unwell.
: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.
: Wash skin with plenty of water.
: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
: Call a poison center/doctor/physician if you feel unwell.
(acute and delayed)
 May cause an allergy or asthma symptoms or breathing difficulties if inhaled. Serious damage to eyes.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures			
5.1. Suitable (and unsuitable) extinguishing media			
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.		
5.2. Specific hazards arising from the chemical			
Hazardous decomposition products in case of fire	: Toxic fumes may be released.		
5.3. Special protective equipment and precautions for fire-fighters			
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.		

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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 6: Accidental release measure	es
6.1. Personal precautions, protective equip	nent and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.
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 a	and cleaning up
Methods for cleaning up Other information	Take up liquid spill into absorbent material.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	にご性語
Precautions for safe handling	: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapors/spray.

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.

SECTION 8: Exposure controls/person	al protection
8.1. Control parameters	
Available Carbohydrates/Dietary Fiber Ass	ay Kit (Bottle 4)
No additional information available	
subtilisin (9014-01-1)	
No additional information available	
8.2. Appropriate engineering controls	
Appropriate engineering controls Environmental exposure controls	Ensure good ventilation of the work station.Avoid release to the environment.
8.3. Individual protection measures/Persor	al protective equipment
Hand protection:	
Protective gloves	

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Туре	Material	Permeation	Thickness (mm)		Penetration	
Disposable gloves	Nitrile rubber (NBR)	3 (> 60 minutes)			2 (< 1.5)	
Eye protection:	Eye protection:					
Safety glasses						
Туре		Field of application		Characteristics		
Safety glasses		Droplet		With side shields		
Skin and body protection:						
Wear suitable protective clothing						
Туре						
Lab coat						
Respiratory protection:						
[In case of inadequate ventilation] wear respiratory protection.						

Personal protective equipment symbol(s):



9.1. Information on basic physical and chemical properties

: Liquid
: Colorless
: characteristic
: No data available
: No data available
: Not applicable
: No data available
: Not applicable.
: No data available
: No data available
: No data available
: Soluble in water.
: No data available

9.2. Other information

No additional information available

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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 information

11.1. Information on toxicological effects	
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation) Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization Germ cell mutagenicity	 Not classified Not classified Not classified Not classified Not classified Causes serious eye damage. May cause an allergy or asthma symptoms or breathing difficulties if inhaled. Not classified
Carcinogenicity Reproductive toxicity	: Not classified : Not classified
STOT-single exposure	: Not classified
subtilisin (9014-01-1)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure Aspiration hazard Viscosity, kinematic Symptoms/effects after inhalation Symptoms/effects after eye contact	 Not classified Not classified No data available May cause an allergy or asthma symptoms or breathing difficulties if inhaled. Serious damage to eyes.

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
12.2. Persistence and degradability	

No additional information available

Safety Data Sheet

13.1. Disposal methods

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	
12.5. Other adverse effects	
No additional information available	
SECTION 13: Disposal considerations	

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTION 14: Transport information	
In accordance with DOT / TDG / IMDG / IATA	
14.1. UN number	
DOT NA No UN-No. (TDG) UN-No. (IMDG) UN-No. (IATA)	 Not applicable Not applicable Not applicable Not applicable
14.2. UN proper shipping name	
Proper Shipping Name (DOT) Proper Shipping Name (TDG) Proper Shipping Name (IMDG) Proper Shipping Name (IATA)	 Not applicable Not applicable Not applicable Not applicable
14.3. Transport hazard class(es)	
DOT Transport hazard class(es) (DOT)	: Not applicable
TDG Transport hazard class(es) (TDG)	: Not applicable
IMDG Transport hazard class(es) (IMDG)	: Not applicable
IATA Transport hazard class(es) (IATA)	: Not applicable
14.4. Packing group	
Packing group (DOT) Packing group (TDG) Packing group (IMDG) Packing group (IATA)	 Not applicable Not applicable Not applicable Not applicable
14.5. Environmental hazards	
Other information	: No supplementary information available.

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

14.6. Special precautions for user

DOT

Not applicable

TDG Not applicable

IMDG

Not applicable

IATA Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
subtilisin	9014-01-1	Not present	-	
15.2. International regulations	FD		·	

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date : 3/10/2022

Safety Data Sheet (SDS), USA

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Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 9/7/2017 Revision date: 3/10/2022 Supersedes: 9/7/2017 Version: 1.0

1.1. Identification			
Product form	: Mixture		
Product name Product code	: Available Carbohydrates/Dietary Fiber Assay Kit (Bottle 3) : K-ACHDF (Bottle 3)		
1.2. Recommended use and restrictions of			
Use of the substance/mixture	: Use as laboratory reagent		
1.3. Supplier			
Megazyme			
Bray Business Park Bray, County Wicklow, A98 YV29			
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: Hazard(s) identification	「日和		
2.1. Classification of the substance or mix	cture		
GHS US classification			
Respiratory sensitization, Category 1	May cause an allergy or asthma symptoms or breathing difficulties if inhaled		
2.2. GHS Label elements, including preca	utionary statements		
GHS US labeling			
Hazard pictograms (GHS US)			
Signal word (GHS US)	: Danger		
Hazard statements (GHS US)	: May cause an allergy or asthma symptoms or breathing difficulties if inhaled		
Precautionary statements (GHS US)	: Avoid breathing dust/fume/gas/mist/vapors/spray.		
	[In case of inadequate ventilation] wear respiratory protection.		
	If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or doctor.		
	Dispose of contents/container to hazardous or special waste collection point, in accordance with		
	local, regional, national and/or international regulation		
2.3. Other hazards which do not result in a	classification		
No additional information available			

No additional information available

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 3: Composition/Information on ingredients 3.1. Substances Not applicable 3.2. Mixtures Name Common **Product identifier** % **GHS US classification** Name (Synonyms) amylase, α-CAS-No.: 9000-90-2 Resp. Sens. 1, H334 1 – 5 Full text of hazard classes and H-statements : see section 16 **SECTION 4: First-aid measures** 4.1. Description of first aid measures First-aid measures general : Call a poison center/doctor/physician 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. First-aid measures after ingestion · Call a poison center/doctor/physician if you feel unwell. 4.2. Most important symptoms and effects (acute and delayed) : May cause an allergy or asthma symptoms or breathing difficulties if inhaled. Symptoms/effects after inhalation 4.3. Immediate medical attention and special treatment, if necessary

4.5. Inimediate medical attention and special treatment, in i

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing	g media		
Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.			
5.2. Specific hazards arising from the chem	nical		
Hazardous decomposition products in case of fire : Toxic fumes may be released.			
5.3. Special protective equipment and prec	cautions for fire-fighters		
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.		

SECTION 6: Accidental release measures			
6.1. Personal precautions, protectiv	e equipment and emergency procedures		
6.1.1. For non-emergency personnel			
Emergency procedures	: Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapors/spray.		
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".		

Safety Data Sheet

ding to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Avoid release to the environment.	
6.3. Methods and material for conta	inment 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	ge
7.1. Precautions for safe handling	
Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapors/spray.
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, inc	cluding any incompatibilities
7.2. Conditions for safe storage, inc Storage conditions	: Store in a well-ventilated place. Keep cool.

Available Carbohydrates/Dietary Fiber Assay Kit (Bottle 3) No additional information available amylase, α- (9000-90-2) No additional information available 8.2. Appropriate engineering controls Appropriate engineering controls : Ensure good ventilation of the work station. Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:					
Protective gloves					
Туре	Material	Permeation	Thickness (m	m)	Penetration
Disposable gloves	Nitrile rubber (NBR)	3 (> 60 minutes)			2 (< 1.5)
Eye protection:					
Safety glasses					
Туре	be Field of application Characteristics			S	
Safety glasses Droplet With side shields				ds	

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Skin and body protection:
Wear suitable protective clothing
Туре
Lab coat
Respiratory protection:
[In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Divisional state	. Linuid
Physical state	: Liquid
Color	: light yellow
Odor	: characteristic
Odor threshold	: No data available
рН	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Density	: 1.25 g/m³
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
5 . 1	

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.

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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.

11.1. Information on toxicological e	ffects
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 sensitization	: May cause an allergy or asthma symptoms or breathing difficulties if inhaled.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects after inhalation	: May cause an allergy or asthma symptoms or breathing difficulties if inhaled.

12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
12.2. Persistence and degradability	
amylase, α- (9000-90-2)	
Not rapidly degradable	
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

12.5. Other adverse effects

No additional information available

13.1. Disposal methods	
Naste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTION 14: Transport information	on
In accordance with DOT / TDG / IMDG / IATA	
14.1. UN number	
DOT NA No UN-No. (TDG) UN-No. (IMDG) UN-No. (IATA)	 Not applicable Not applicable Not applicable Not applicable Not applicable
14.2. UN proper shipping name	
Proper Shipping Name (DOT) Proper Shipping Name (TDG) Proper Shipping Name (IMDG) Proper Shipping Name (IATA)	 Not applicable Not applicable Not applicable Not applicable
14.3. Transport hazard class(es)	
DOT Transport hazard class(es) (DOT)	: Not applicable
TDG Transport hazard class(es) (TDG)	: Not applicable
IMDG Transport hazard class(es) (IMDG)	: Not applicable
IATA Transport hazard class(es) (IATA)	: Not applicable
14.4. Packing group	
Packing group (DOT) Packing group (TDG) Packing group (IMDG) Packing group (IATA)	 Not applicable Not applicable Not applicable Not applicable Not applicable
14.5. Environmental hazards	
Other information	: No supplementary information available.
14.6. Special precautions for user	
DOT Not applicable	
TDG Not applicable	

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

IMDG

Not applicable

ΙΑΤΑ

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Name	CAS-No.	J	Commercial status	Flags
amylase, α-	9000-90-2	Not present	-	
15.2. International regulations				

トレ電対

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date : 3/10/2022

Safety Data Sheet (SDS), USA

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

*** DRAFT ***

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 1/22/2018 Revision date: 3/10/2022 Supersedes: 4/30/2020 Version: 1.1

SECTION 1: Identification	
1.1. Identification	
Product form Product name Product code	 Mixture Available Carbohydrates/Dietary Fiber Assay Kit (Bottle 2) K-ACHDF (Bottle 2)
1.2. Recommended use and restrictions	on use
Use of the substance/mixture	: Use as laboratory reagent
1.3. Supplier	
Megazyme Bray Business Park Bray, County Wicklow, A98 YV29 Ireland T +353 12861220 - F +353 12861264 <u>cs@megazyme.com</u> - <u>www.megazyme.com</u>	
1.4. Emergency telephone number	
Emergency number	: +353 12861220 [9 am to 5 pm GMT - Monday to Friday]
SECTION 2: Hazard(s) identification	「一下」「「「「「」」」
2.1. Classification of the substance or m	lixture
GHS US classification Not classified	
2.2. GHS Label elements, including prec	autionary statements
GHS US labeling No labeling applicable	
2.3. Other hazards which do not result in	n classification
No additional information available	
2.4. Unknown acute toxicity (GHS US)	
No additional information available	
SECTION 3: Composition/Informatio	on 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 HazCom 2012

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations



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/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

No additional information available

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures				
5.1. Suitable (and unsuitable) extinguishing media				
Suitable extinguishing media	: Water spray. Dry powder. Foam.			
5.2. Specific hazards arising from the chemical				
Hazardous decomposition products in case of fire : Toxic fumes may be released.				
5.3. Special protective equipment and precautions for fire-fighters				
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.			

SECTION 6: Accidental release measures				
6.1. Personal precautions, protective equipment and emergency procedures				
6.1.1. For non-emergency personnel 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 Other information	Mechanically recover the product.Dispose of materials or solid residues at an authorized site.			

6.4. Reference to other sections

For further information refer to section 13.

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SECTION 7: Handling	g and storage					
7.1. Precautions for sa	fe 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.			
SECTION 8: Exposu	re controls/personal	protection				
8.1. Control parameters	S					
Available Carbohydrat	es/Dietary Fiber Assay	Kit (Bottle 2)				
No additional information a	vailable					
8.2. Appropriate engine	eering controls					
Appropriate engineering cor		Ensure good ventilation of the w	ork station.			
Environmental exposure co	ntrols :	Avoid release to the environmer	ıt.			
8.3. Individual protection	on measures/Personal	protective equipment				
Hand protection:		にり葉	ti i			
Protective gloves			Y.			
Туре	Material	Permeation	Thickness (m	n)	Penetration	
Disposable gloves	Nitrile rubber (NBR)	3 (> 60 minutes)	3 (> 60 minutes) 2 (< 1.5)		2 (< 1.5)	
Eye protection:						
Safety glasses						
Type Field of application		Characteristics				
Safety glasses		Dust		With side shiel	ds	
Skin and body protection:						
Wear suitable protective clothing						
Туре						
Lab coat						
Respiratory protection:						
In case of insufficient ventil	lation, wear suitable respirat	ory equipment				
Porsonal protective equin	mont symbol(s):					

Personal protective equipment symbol(s):



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SECTION 9: Physical and chemical properties 9.1. Information on basic physical and chemical properties Physical state · Solid Color light yellow Odor None Odor threshold · No data available pН : 7.6 Melting point No data available : Freezing point : Not applicable Boiling point : 256 °C Flash point : > 135 °C Relative evaporation rate (butyl acetate=1) : No data available Flammability (solid, gas) : Non flammable. : No data available Vapor pressure Relative vapor density at 20°C No data available : Relative density Not applicable Density 1.03 g/m³ · Solubility : Soluble in water. : No data available Partition coefficient n-octanol/water (Log Pow) Auto-ignition temperature · 480 °C Decomposition temperature : No data available Viscosity, kinematic Not applicable : Viscosity, dynamic • No data available Explosion limits Not applicable · Explosive properties No data available : No data available Oxidizing properties

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.

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SECTION 11: Toxicological information 11.1. Information on toxicological effects Acute toxicity (oral) : Not classified Acute toxicity (dermal) : Not classified Acute toxicity (inhalation) Not classified : Skin corrosion/irritation : Not classified pH: 7.6 Serious eye damage/irritation : Not classified pH: 7.6 Respiratory or skin sensitization 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 Viscosity, kinematic · Not applicable

SECTION 12: Ecological information

12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
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. Other adverse effects	
No additional information available	

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods

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

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

14.1. UN number

DOT NA No UN-No. (TDG) UN-No. (IMDG) : Not applicable

- : Not applicable
- : Not applicable

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UN-No. (IATA)	: Not applicable
14.2. UN proper shipping name	
Proper Shipping Name (DOT) Proper Shipping Name (TDG) Proper Shipping Name (IMDG) Proper Shipping Name (IATA)	 Not applicable Not applicable Not applicable Not applicable
14.3. Transport hazard class(es)	
DOT Transport hazard class(es) (DOT)	: Not applicable
TDG Transport hazard class(es) (TDG)	: Not applicable
IMDG Transport hazard class(es) (IMDG)	: Not applicable
IATA Transport hazard class(es) (IATA)	: Not applicable
14.4. Packing group	
Packing group (DOT) Packing group (TDG) Packing group (IMDG) Packing group (IATA)	 Not applicable Not applicable Not applicable Not applicable
14.5. Environmental hazards	
Other information	: No supplementary information available.
14.6. Special precautions for user	
DOT Not applicable	
TDG Not applicable	
IMDG Not applicable	
IATA Not applicable	
14.7. Transport in bulk according to Ann	ex II of MARPOL 73/78 and the IBC Code
Not applicable	
SECTION 15: Regulatory information	

15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Available Carbohydrates/Dietary Fiber Assay Kit (Bottle 2)		Not present	-	

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15.2. International regulations	
CANADA No additional information available	
EU-Regulations No additional information available	
National regulations No additional information available	
15.3. US State regulations	
No additional information available	

SECTION 16: Other information

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





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1.1. Identification	
Product form Product name Product code	: Mixture : Available Carbohydrates/Dietary Fiber Assay Kit (Bottle 1) : K-ACHDF (Bottle 1)
1.2. Recommended use and restrictions o	n use
Use of the substance/mixture	: Use as laboratory reagent
1.3. Supplier	
Megazyme Bray Business Park Bray, County Wicklow, A98 YV29 Ireland T +353 12861220 - F +353 12861264 <u>cs@megazyme.com</u> - <u>www.megazyme.com</u>	
1.4. Emergency telephone number	
Emergency number	: +353 12861220 [9 am to 5 pm GMT - Monday to Friday]
SECTION 2: Hazard(s) identification	
2.1. Classification of the substance or mix	kture
GHS US classification Skin corrosion/irritation Category 1C Serious eye damage/eye irritation Category 1 Reproductive toxicity Category 1B	Causes severe skin burns and eye damage Causes serious eye damage May damage fertility or the unborn child
2.2. GHS Label elements, including preca	utionary statements
GHS US labeling Hazard pictograms (GHS US)	
Signal word (GHS US) Hazard statements (GHS US)	 Danger Causes severe skin burns and eye damage Causes serious eye damage May damage fertility or the unborn child
Precautionary statements (GHS US) 2.3. Other hazards which do not result in	 Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe spray, mist. Wash hands thoroughly after handling. Wear protective gloves, protective clothing, eye protection

No additional information available

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2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Common Name (Synonyms)	Product identifier	%	GHS US classification
imidazole		CAS-No.: 288-32-4	10 – 20	Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Repr. 1B, H360

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

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4.1. Description of first aid measures	
First-aid measures general First-aid measures after inhalation First-aid measures after skin contact	 Call a physician immediately. Remove person to fresh air and keep comfortable for breathing. Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Call a physician immediately.
4.2. Most important symptoms and effe	ects (acute and delayed)
Symptoms/effects after skin contact Symptoms/effects after eye contact Symptoms/effects after ingestion	 Burns. Serious damage to eyes. Burns.
4.3. Immediate medical attention and s	special treatment, if necessary
Treat symptomatically.	

SECTION 5: Fire-fighting measures				
5.1. Suitable (and unsuitable) extinguishing media				
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.			
5.2. Specific hazards arising from the chem	ical			
Hazardous decomposition products in case of fire	: Toxic fumes may be released.			
5.3. Special protective equipment and precautions for fire-fighters				
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.			

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SECTION 6: Accidental release measure	es
6.1. Personal precautions, protective equipr	nent and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe dust/fume/gas/mist/vapors/spray.
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. Notify authorities if	product enters sewers or public waters.
6.3. Methods and material for containment a	nd cleaning up
Methods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public
Other information	waters. : 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. Obtain special instructions before use. Do not handle
	until all safety precautions have been read and understood. Wear personal protective equipment.
	Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray.
Hygiene measures	: Separate working clothes from town clothes. Launder separately. Wash contaminated clothing
	before reuse. Do not eat, drink or smoke when using this product. Always wash hands after
	handling the product.

7.2. Conditions for safe storage, including any incompatibilities				
Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.				
SECTION 8: Exposure contro	s/personal protection			
8.1. Control parameters				
Available Carbohydrates/Dietary Fiber Assay Kit (Bottle 1)				

Available Garbonyurates/Dietary Tiber	
No additional information available	
imidazole (288-32-4)	
No additional information available	
8.2. Appropriate engineering controls	
Appropriate engineering controls Environmental exposure controls	Ensure good ventilation of the work station.Avoid release to the environment.

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8.3. Individual protect	ion measures/Persona	al protective equipment				
Hand protection:						
Protective gloves						
Туре	Material	Permeation	Thickness (mm)		Penetration	
Disposable gloves	Nitrile rubber (NBR)	3 (> 60 minutes)			2 (< 1.5)	
Eye protection:						
Safety glasses						
Туре		Field of application Characteristics				
Safety glasses		Droplet With side s		With side shiel	ields	
Skin and body protectio	n:					
Wear suitable protective c	lothing					
Туре						
Lab coat						
Respiratory protection:						
[In case of inadequate ventilation] wear respiratory protection.						





SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Color Odor Odor threshold pH Melting point Freezing point Boiling point Flash point Relative evaporation rate (butyl acetate=1) Flammability (solid, gas) Vapor pressure Relative vapor density at 20°C Relative density Density Solubility Partition coefficient n-octanol/water (Log Pow) Auto-ignition temperature Decomposition temperature	 Liquid light yellow None No data available 7.6 Not applicable No data available 256 °C > 135 °C No data available Not applicable. No data available No data available No data available 1.03 g/m³ Soluble in water. No data available 480 °C No data available
o i	
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

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Explosion limits	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available

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

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10.6. Hazardous decomposition products



SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
imidazole (288-32-4)	
LD50 oral	960 mg/kg
ATE US (oral)	500 mg/kg body weight
Skin corrosion/irritation	: Causes severe skin burns.
	pH: 7.6
Serious eye damage/irritation	: Causes serious eye damage.
	pH: 7.6
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: May damage fertility or the unborn child.
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects after skin contact	: Burns.

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Symptoms/effects after eye contact	:	Serious damage to eyes.
Symptoms/effects after ingestion	:	Burns.

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: Before neutralisation, the product may represent a danger to aquatic organisms.
imidazole (288-32-4)	
NOEC chronic algae	25 mg/l
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. Other adverse effects	
No additional information available	
SECTION 13: Disposal considerations	
13.1. Disposal methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

14.1. UN number		
DOT NA No UN-No. (TDG) UN-No. (IMDG) UN-No. (IATA)	Not applicableNot applicableNot applicableNot applicableNot applicable	
14.2. UN proper shipping name		
Proper Shipping Name (DOT) Proper Shipping Name (TDG) Proper Shipping Name (IMDG) Proper Shipping Name (IATA)	Not applicableNot applicableNot applicableNot applicableNot applicable	
14.3. Transport hazard class(es)		
DOT Transport hazard class(es) (DOT)	: Not applicable	
TDG Transport hazard class(es) (TDG)	: Not applicable	

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according to Federal Register / Vol. //, No. 58 / Monday,		regulations				
Transport hazard class(es) (IMDG)	: Not applicable					
IATA Transport hazard class(es) (IATA)	: Not applicable					
14.4. Packing group						
Packing group (DOT) Packing group (TDG) Packing group (IMDG) Packing group (IATA)	Not applicableNot applicableNot applicableNot applicableNot applicable					
14.5. Environmental hazards						
Other information	: No supplementary in	nformation available.				
14.6. Special precautions for user						
DOT Not applicable						
TDG Not applicable						
IMDG Not applicable						
IATA Not applicable	ED	華光				
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code						
Not applicable						
SECTION 15: Regulatory information						
15.1. US Federal regulations						
Commercial status of components according to th			's Toxic Substances C			
Name	CAS-No.	Listing	Commercial status	Flags		
imidazole	288-32-4	Not present	-			
15.2. International regulations						
CANADA						
No additional information available						
EU-Regulations						
No additional information available						
National regulations						
No additional information available						
15.3. US State regulations						
No additional information available						

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SECTION 16: Other information

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Safety Data Sheet (SDS), USA

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