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Safety data sheet According to 1907/2006/EC (REACH), 2015/830/EU

AE00161 - Glucose-6-P dehydrogenase (EC 1.1.1.49), L. mesenteroides

Date of compilation: 12/05/2020 Revised: 13/05/2020 Version: 2 (Replaced 1)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: AE00161 - Glucose-6-P dehydrogenase (EC 1.1.1.49), L. mesenteroides

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: Laboratory. For professional user only.

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

NZYTech Estrada do Paco do Lumiar Campus do Lumiar - Edif. E, r/c 1649-038 Lisboa - Lisboa - Portugal info@nzytech.com www.nzytech.com

1.4 Emergency telephone number: +351 213 643 514

Local time: Monday to Friday 9.00 am to 18.00 National Poison Information Centre (Europe UK): +44 0845 4647 (this service is only available to health professionals)

SECTION 2: HAZARDS IDENTIFICATION **

2.1 Classification of the substance or mixture:

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319 Repr. 1B: Reproductive toxicity, Category 1B, H360 Skin Irrit. 2: Skin irritation, Category 2, H315

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Danger



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation Repr. 1B: H360 - May damage fertility or the unborn child Skin Irrit. 2: H315 - Causes skin irritation

Precautionary statements:

P201: Obtain special instructions before use
P264: Wash thoroughly after handling
P280: Wear protective gloves/protective clothing/eye protection/face protection
P302+P352: IF ON SKIN: Wash with plenty of water
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308+P313: IF exposed or concerned: Get medical advice/attention
P337+P313: If eye irritation persists: Get medical advice/attention
P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively
Substances that contribute to the classification
Imidazole

Additional Labelling (Annex XVII, REACH):

Restricted to professional users

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

** Changes with regards to the previous version

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS **

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Mixture of substances

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

	Identification		Chemical name/Classification			
CAS:	288-32-4	Imidazole ⁽¹⁾		Self-classified		
	206-019-2 Non-applicable 01-2119485825-24- XXXX	Regulation 1272/2008	Acute Tox. 4: H302; Eye Dam. 1: H318; Repr. 1B: H360; Skin Corr. 1C: H314 - Danger		1 - <2,5 %	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

** Changes with regards to the previous version

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

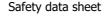
5.1 Extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems. IT IS NOT RECOMMENDED to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:



According to 1907/2006/EC (REACH), 2015/830/EU

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SECTION 5: FIREFIGHTING MEASURES (continued)

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks

PREGNANT WOMEN SHOULD NOT BE EXPOSED TO THIS PRODUCT. Transfer in designated areas that comply with the necessary safety conditions (emergency showers and eyewash stations in close proximity), using personal protection equipment, especially on the hands and face (See section 8). Limit manual transfers to small amounts only. Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Store in a cool, dry, well-ventilated location

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace

There are no occupational exposure limits for the substances contained in the product

DNEL (Workers):

		Short e	xposure	Long ex	kposure
Identification		Systemic	Local	Systemic	Local
Imidazole	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 288-32-4	Dermal	25 mg/kg	Non-applicable	1,5 mg/kg	Non-applicable
EC: 206-019-2	Inhalation	5583 mg/m ³	Non-applicable	10,6 mg/m ³	Non-applicable

DNEL (General population):

Non-applicable

PNEC:

Identification				
Imidazole	STP	10 mg/L	Fresh water	0,13 mg/L
CAS: 288-32-4	Soil	0,0425 mg/kg	Marine water	0,013 mg/L
EC: 206-019-2	Intermittent	1,3 mg/L	Sediment (Fresh water)	0,336 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

8.2 Exposure controls:

A.- General security and hygiene measures in the work place

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

	Pictogram	PPE	Labelling	CEN Standard	Remarks
r	Mandatory respiratory tract protection	Filter mask for gases and vapours		EN 405:2001+A1:2009	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

	Pictogram	PPE	Labelling	CEN Standard	Remarks
M	andatory hand protection	NON-disposable chemical protective gloves		EN ISO 374-1:2016 EN 16523-1:2015 EN 420:2003+A1:2009	The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin.

"As the product is a mixture of several substances, the resistance of the glove material can not be predicted in advance with total reliability and has therefore to be checked prior to the application"

D.- Ocular and facial protection

E.

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory face protection	Face shield	CAT II	EN 166:2001 EN 167:2001 EN 168:2001 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.



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Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory complete body protection	Disposable clothing for protection against chemical risks		EN 13034:2005+A1:2009 EN 168:2001 EN ISO 13982- 1:2004/A1:2010 EN ISO 6529:2013 EN ISO 6530:2005 EN 464:1994	For professional use only. Clean periodicall according to the manufacturer's instruction
Mandatory foot protection	Safety footwear for protection against chemical risk		EN ISO 20345:2011 EN 13832-1:2019	Replace boots at any sign of deterioration

Emergency measure	Standards	Emergency measure	Standards
Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	Evewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 °C:	0 kg/m ³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:	
Physical state at 20 °C:	Liquid
Appearance:	Not available
Colour:	Not available
Odour:	Not available
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 °C
Vapour pressure at 20 °C:	2350 Pa
Vapour pressure at 50 °C:	12381,01 Pa (12,38 kPa)
Evaporation rate at 20 °C:	Non-applicable *
Product description:	
Density at 20 °C:	1281,8 kg/m³
Relative density at 20 °C:	1,282
Dynamic viscosity at 20 °C:	2,23 cP
Kinematic viscosity at 20 °C:	1,74 cSt
Kinematic viscosity at 40 °C:	Non-applicable *
*Not relevant due to the nature of the product, not providing	ng information property of its hazards.



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SEC	TION 9: PHYSICAL AND CHEMICAL PROPERTIES	5 (continued)
	Concentration:	Non-applicable *
	pH:	Non-applicable *
	Vapour density at 20 °C:	Non-applicable *
	Partition coefficient n-octanol/water 20 °C:	Non-applicable *
	Solubility in water at 20 °C:	Non-applicable *
	Solubility properties:	Non-applicable *
	Decomposition temperature:	Non-applicable *
	Melting point/freezing point:	Non-applicable *
	Explosive properties:	Non-applicable *
	Oxidising properties:	Non-applicable *
	Flammability:	
	Flash Point:	Non Flammable (>60 °C)
	Flammability (solid, gas):	Non-applicable *
	Autoignition temperature:	480 °C
	Lower flammability limit:	Non-applicable *
	Upper flammability limit:	Non-applicable *
	Explosive:	
	Lower explosive limit:	Non-applicable *
	Upper explosive limit:	Non-applicable *
9.2	Other information:	
	Surface tension at 20 °C:	Non-applicable *
	Refraction index:	Non-applicable *
	*Not relevant due to the nature of the product, not providing infor	mation property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Not applicable Not applicable Not applicable Not applicable	Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

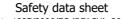
Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Precaution	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION **

** Changes with regards to the previous version



According to 1907/2006/EC (REACH), 2015/830/EU

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 adverse effects on health may result, depending on the means of exposure: A Ingestion (acute effect): Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances cl as dangerous for consumption. For more information see section 3. Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, and vomiting. B Inhalation (acute effect): Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances as dangerous for inhalation. For more information see section 3. Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain su classified as dangerous for this effect. For more information see section 3. Contact with the skin: Produces skin inflammation. Contact with the skin: Produces skin inflammation. Contact with the eyes: Produces eye damage after contact. D CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction): Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances as dangerous for the effects mentioned. For more information see section 3. Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances cla dangerous for this effect. For more information see section 3. Reproductive toxicity: May damage fertility or the unborn child E Sensitizing effects: Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances clas dangerous for this effect. For more information see section 3. Reproductive toxicity: May damage fertility or the unborn child E Sensitizing effects: Respiratory: Based on available da	TON 11: TOXICOLOGICAL INFORMATION ** (continued) Information on toxicological effects: The experimental information related to the toxicological properties of the product itself is not available Dargerous health implications: In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure i adverse effects on health may result, depending on the means of exposure: A: Ingestion (acute effect): - Acute box(iv): Hosed on available data, the classification criteria are not met, however, it contains substances classi as dangerous for ionsumption. For more information see section 3. - Corrosity/Intrability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nau and vomiting. B: Inhalation (acute effect): - Acute toxicity: Hased on available data, the classification criteria are not met, as it does not contain substances class as dangerous for inhalation. For more information see section 3. - Constativity/Intribuility: Based on available data, the classification criteria are not met, as it does not contain substances class as dangerous for the selfs. For more information see section 3. - Contact with the skin: Produces skin inflammation. - Contact with the skin: Produces skin inflammation. - Contact with the selfs: Produce skin inflammation see section 3. - Mategonicity: Based on available data, the classification criteria are not met, as it does not contain substances classif dagregrous for this effect. Fo		mesentero	ides		
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	y Estimate (ATE mix):	v Estimate	(ATE mix):			

** Changes with regards to the previous version



AE00161 - Glucose-6-P dehydrogenase (EC 1.1.1.49), L. mesenteroides

Date of compilation: 12/05/2020

Revised: 13/05/2020 Version: 2 (Replaced 1)

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Oral	42529,59 mg/kg (Calculation method)	0 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

** Changes with regards to the previous version

SECTION 12: ECOLOGICAL INFORMATION **

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Identification		Acute toxicity	Species	Genus
Imidazole	LC50	240 mg/L (48 h)	Leuciscus idus	Fish
CAS: 288-32-4	EC50	341.5 mg/L (48 h)	Daphnia magna	Crustacean
EC: 206-019-2	EC50	130 mg/L (72 h)	Scenedesmus subspicatus	Algae

12.2 Persistence and degradability:

Not available

12.3 Bioaccumulative potential:

Not available

12.4 Mobility in soil:

Not available

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Other adverse effects:

Not described

** Changes with regards to the previous version

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP10 Toxic for reproduction

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2019 and RID 2019:



AE00161 - Glucose-6-P dehydrogenase (EC 1.1.1.49), L. mesenteroides

SECTION 14: TRANSPORT INFORMATION (continued) 14.1 UN number: Non-applicable 14.3 UN proper shipping name: Non-applicable 14.3 Transport hazard class(es): Non-applicable 14.4 Packing group: Non-applicable 14.5 Environmental hazards: Non-applicable 14.6 Special regulations: Non-applicable Transport of dangerous goods by sea: Non-applicable With regard to IMOG 39-18: Non-applicable 14.1 UN number: Non-applicable 14.3 Transport of dangerous goods by sea: Non-applicable With regard to IMOG 39-18: Non-applicable 14.1 UN number: Non-applicable 14.3 Transport faipping name: Non-applicable 14.4 Packing group: Non-applicable 14.3 Transport faipping name: Non-applicable 14.4 Packing group: Non-applicable 14.5 Environmental hazard is: Non-applicable 14.4 Packing group: Non-applicable 14.5 Environmental hazard is: Non-applicable	Date of compilation:	12/05/2020 Revised: 13/0	05/2020	Version: 2 (Replaced 1)
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SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and	l environmental re	gulations/leg	gislation specific fo	or the substance or mixt	ure:

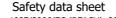
Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable



According to 1907/2006/EC (REACH), 2015/830/EU

Nzytech

AE00161 - Glucose-6-P dehydrogenase (EC 1.1.1.49), L. mesenteroides

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SECTION 15: REGULATORY INFORMATION (continued)

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc):

Product classified hazardous under the CMR. Sale and distribution to the general public is prohibited. Due to its CMR category, it is essential to apply the specific measures for workplace hazard prevention covered in articles 4 and 5 of the 2004/37/EC Directive and later modifications.

Shall not be used in:

—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,

-tricks and jokes,

-games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION **

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (Regulation (EC) No 2015/830)

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3, SECTION 11, SECTION 12):

New declared substances

Imidazole (288-32-4)

Substances that contribute to the classification (SECTION 2):

· New declared substances

Imidazole (288-32-4)

CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):

Pictograms

Hazard statements

· Precautionary statements

Texts of the legislative phrases mentioned in section 2:

H315: Causes skin irritation

H360: May damage fertility or the unborn child

H319: Causes serious eye irritation

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 4: H302 - Harmful if swallowed Eye Dam. 1: H318 - Causes serious eye damage Repr. 1B: H360 - May damage fertility or the unborn child

Skin Corr. 1C: H314 - Causes severe skin burns and eye damage

Classification procedure:

Skin Irrit. 2: Calculation method

Repr. 1B: Calculation method Eye Irrit. 2: Calculation method

Advice related to training:

Minimal training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

** Changes with regards to the previous version



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SEC	TION 16: OTHER INFORMATION ** (continued)
	Principal bibliographical sources:
	http://echa.europa.eu
	http://eur-lex.europa.eu
	Abbreviations and acronyms:
	ADR: European agreement concerning the international carriage of dangerous goods by road
	IMDG: International maritime dangerous goods code
	IATA: International Air Transport Association
	ICAO: International Civil Aviation Organisation
	COD: Chemical Oxygen Demand
	BOD5: 5-day biochemical oxygen demand
	BCF: Bioconcentration factor
	LD50: Lethal Dose 50
	LC50: Lethal Concentration 50
	EC50: Effective concentration 50
	Log-POW: Octanol-water partition coefficient
	Koc: Partition coefficient of organic carbon

** Changes with regards to the previous version

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.