



## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product and Company Identifiers

Product Name: Human Beta-2 microglobulin ELISA

Catalogue Number: BA1010

Components:

Human Beta-2 microglobulin Microplate

Human Beta-2 microglobulin Standard

Antibody-HRP Conjugate (anti human Beta-2 microglobulin)

Assay Diluent

Wash Buffer Concentrate

Substrate Solution

Stop Solution

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

Relevant Uses: Analytical tool. For research use 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

BioLab Assays s.r.o

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613 00 Brno

Czech Republic

Phone: +420 775678714

E-mail: [info@biolabassays.eu](mailto:info@biolabassays.eu)

<https://www.biolabassays.eu>

### 1.4. Emergency Telephone Number: Emergency phone number Europe: 112

## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

**CLP Regulation (EC) No 1272/2008.**

Classification according to Regulation (EC) No 1272/2008 [GHS/CLP] or 29 CFR 1910.1200 [OSHA]

Eye Dam. 2: Serious eye damage, Category 2, H319

Skin Irrit. 2: Skin irritation, Category 2, H315

### 2.2. Label elements:

**CLP Regulation (EC) No 1272/2008.**



**Hazard statements:**

Eye Dam. 2: H319 - Causes serious eye irritation.

Skin Irrit. 2: H315 - Causes skin irritation.

Repr. 1B: H360D - May damage the unborn child.

**Precautionary statements:**

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P264: Wash skin thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/protective footwear.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

Substances that contribute to the classification

Sulfuric acid (STOP solution), 2-Pyrrolidone (Substrate solution)

**2.3. Other hazards:**

Product fails to meet PBT/vPvB criteria.

Endocrine-disrupting properties: The product fails to meet the criteria.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1. Substance**

Not applicable

**3.2. Mixture**

Aqueous mixture composed of conservatives, tensoactives (detergents) and acid.

**Components:**

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

Identification	Chemical name/Classification		Concentration
CAS: 7664-93-9 EC: 231-639-5 Index: 016-020-00-8 REACH: N/A (mixture)		Sulfuric acid <sup>1</sup> Self-classified	< 2%
	Regulation 1272/2008	Eye Irrit. 2: H319, Skin Irrit. 2: H315, H225 - Danger	
CAS: 616-45-5 EC: 210-483-1 Index: N/A REACH: N/A		2-Pyrrolidone <sup>1</sup> Self-classified	< 3%
	Regulation 1272/2008	Repr. 1B: H360, Eye Irrit. 2: H319	

<sup>1</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878



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

#### 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 is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms 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:

Not applicable

#### 5. FIRE-FIGHTING MEASURES

##### 5.1. Extinguishing media:

##### **Suitable extinguishing media:**

If possible, use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO<sub>2</sub>).

##### **Unsuitable extinguishing media:**

IT IS RECOMMENDED NOT 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:

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 because of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment, and emergency procedures:

#### For non-emergency personnel:

Isolate leaks if there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8).

Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form and ensuring that all surfaces are connected to the ground.

#### For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

### 6.2. Environmental precautions:

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



## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling:

#### A. General precautions for safe use

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

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

#### C. Technical recommendations on general occupational hygiene

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 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.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters:

Substances whose occupational exposure limits must be monitored in the workplace (European OEL, not country-specific legislation):

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



#### DNEL (Workers)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Sulfuric acid CAS: 7664-93-9 EC: 231-639-5	Oral	Not applicable	Not applicable	Not applicable	Not applicable
	Eyes	Not applicable	High hazard - no threshold derived	Not applicable	High hazard - no threshold derived
	Dermal	Not applicable	High hazard - no threshold derived	Not applicable	High hazard - no threshold derived
	Inhalation	Not applicable	0.1 mg/m <sup>3</sup>	Not applicable	0.05 mg/m <sup>3</sup>
2-Pyrrolidone CAS: 616-45-5 EC: 210-483-1	Oral	Not applicable	Not applicable	Not applicable	Not applicable
	Dermal	Not applicable	Not applicable	4.2 mg/kg bw/day	Not applicable
	Inhalation	Not applicable	Not applicable	29.62 mg/m <sup>3</sup>	Not applicable

#### DNEL (General population)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Sulfuric acid CAS: 7664-93-9 EC: 231-639-5	Oral	Not applicable	Not applicable	Not applicable	Not applicable
	Eyes	Not applicable	High hazard - no threshold derived	Not applicable	High hazard - no threshold derived
	Dermal	Not applicable	High hazard - no threshold derived	Not applicable	High hazard - no threshold derived
	Inhalation	Not applicable	High hazard - no threshold derived	Not applicable	High hazard - no threshold derived
2-Pyrrolidone CAS: 616-45-5 EC: 210-483-1	Oral	Not applicable	Not applicable	0.67 mg/kg bw/day	Not applicable
	Dermal	Not applicable	Not applicable	0.67 mg/kg bw/day	Not applicable
	Inhalation	Not applicable	Not applicable	1.985 mg/m <sup>3</sup>	Not applicable

#### PNEC

Identification				
Sulfuric acid CAS: 7664-93-9 EC: 231-639-5	STP	Not applicable	Fresh water	Not applicable
	Soil	Not applicable	Marine water	Not applicable
	Intermittent	Not applicable	Sediment (Fresh water)	Not applicable



	Oral	Not applicable	Sediment Marine water)	Not applicable
2-Pyrrolidone CAS: 616-45-5 EC: 210-483-1	STP	10 mg/L	Fresh water	0.5 mg/L
	Soil	0.14 mg/kg soil dw	Marine water	0.05 mg/L
	Intermittent	Not applicable	Sediment (Fresh water)	2.17 mg/kg sediment dw
	Oral	Not applicable	Sediment Marine water)	0.217 mg/kg sediment dw

## 8.2. Exposure controls:


### A. Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. 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


The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

### C. Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Disposable protective gloves (Material: Latex (natural rubber), Breakthrough time: > 480 min, Thickness: 0.21 mm)	PPE Cat. 3	EN 455 EN 420 EN ISO 374	

As the product is a mixture of several substances, the resistance of the glove material cannot be calculated in advance with total reliability and has therefore to be checked prior to the application.

### D. Eye and face protection



Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory eye protection	Panoramic glasses against splashes/ projections	PPE Cat. 2	EN 166:2002 EN ISO 4007:2018	



E. Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Working clothing	PPE Cat.1		
	Anti-slip work shoes	PPE Cat. 2	EN ISO 20347:2012	

F. Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eye wash station	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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties:

**Appearance:**

Physical state at 20 °C:	Liquid
Appearance:	Translucent
Colour:	None
Odour:	None
Odour threshold:	Not applicable*

**Volatility:**

Boiling point at atmospheric pressure:	Not available*
Vapour pressure at 20 °C:	Not available*
Vapour pressure at 50 °C:	Not available*
Evaporation rate at 20 °C:	Not available*

**Product description:**

Density at 20 °C:	Not available*
Relative density at 20 °C:	Not available *
Dynamic viscosity at 20 °C:	Not available*
Kinematic viscosity at 20 °C:	Not available *
Kinematic viscosity at 40 °C:	Not available *
Concentration:	Not applicable*



pH:	Not available*
Vapour density at 20 °C:	Not available *
Partition coefficient n-octanol/water 20 °C:	Not available *
Solubility in water at 20 °C:	Not available *
Solubility properties:	Highly water-soluble
Decomposition temperature:	Not available *
Melting point/freezing point:	Not available *
<b>Flammability:</b>	
Flash Point:	Not applicable *
Flammability (solid, gas):	Not applicable *
Autoignition temperature:	Not applicable*
Lower flammability limit:	Not available
Upper flammability limit:	Not available
<b>Particle characteristics:</b>	
Median equivalent diameter:	Not available

## 9.2. Other information:

### Information with regard to physical hazard classes:

Explosive properties:	Not applicable *
Oxidising properties:	Not applicable *
Corrosive to metals:	Not available *
Heat of combustion:	Not applicable *
Aerosols-total percentage (by mass) of flammable components:	Not applicable *
Other safety characteristics:	
Surface tension at 20 °C:	Not applicable *
Refraction index:	Not applicable *

\*Not relevant due to the nature of the product, not providing proper information of its hazards.

## 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 indicated 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:



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

#### 10.5. Incompatible materials

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid direct impact*	Avoid direct impact*	Avoid direct impact*	Avoid direct impact*	Avoid direct impact*

\* Potential loss of function due to the contact

#### 10.6. Hazardous decomposition products

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products.

### 11. TOXICOLOGICAL INFORMATION

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008:

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, 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 classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption can cause irritation in the throat, abdominal pain, nausea and vomiting.

##### B. Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

##### C. Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces serious 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 classified as hazardous for the effects mentioned. For more information see section 3.
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are met, as it does contain substances classified as hazardous for this effect. For more information see section 3.

##### E. Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.



- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- F. Specific target organ toxicity (STOT) - single exposure:  
Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- G. Specific target organ toxicity (STOT)-repeated exposure:
  - Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
  - Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- H. Aspiration hazard:  
Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

**Other information:**

Not applicable

**Specific toxicology information on the substances:**

Identification	Acute toxicity		Genus
Sulfuric acid CAS: 7664-93-9 EC: 231-639-5	LD50 oral	2 140 mg/kg bw	Rat
	LD50 dermal	No data available	
	LC50 inhalation	375 mg/m <sup>3</sup> air	Rat
2-Pyrrolidone CAS: 616-45-5 EC: 210-483-1	LD50 oral	> 2 000 mg/kg bw	Rat
	LD50 dermal	> 2 000 mg/kg bw	Rabbit
	LC50 inhalation	Not toxic by inhalation	Rat

**Acute toxicity estimation (ATE mix):**

ATE mix		Ingredient(s) of unknown toxicity
Oral	41074 mg/kg	0%
Dermal	> 2 000 mg/kg	N/A
Inhalation	375 mg/m <sup>3</sup>	N/A



## 11.2. Information on other hazards:

### Endocrine disrupting properties

The product fails to meet the criteria.

### Other information

Not applicable

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### Acute toxicity:

Identification	Concentration	Species	Genus
Sulfuric acid CAS: 7664-93-9 EC: 231-639-5	LC50 > 16 - < 28 mg/L	Lepomis macrochirus	Fish
	EC50 > 100 mg/L	Daphnia magna	Crustacean
	EC50 > 100 mg/L	Desmodesmus subspicatus	Algae
2-Pyrrolidone CAS: 616-45-5 EC: 210-483-1	LC50 > 4 600 - 10 000 mg/L	Danio rerio	Fish
	EC50 500 mg/L	Daphnia magna	Crustacean
	EC10 22.2 mg/L	Desmodesmus subspicatus	Algae

#### Chronic toxicity:

Identification	Concentration	Species	Genus
Sulfuric acid CAS: 7664-93-9 EC: 231-639-5	NOEC 0.31 mg/L	Salvelinus fontinalis	Fish
	NOEC 0.15 mg/L	Tanytarsus dissimilis	Crustacean
2-Pyrrolidone CAS: 616-45-5 EC: 210-483-1	ChV* 0.499 mg/L	Fish, species not specified	Fish
	ChV* 44.927 mg/L	Daphnia sp.	Crustacean

\*Chronic value



## 12.2. Persistence and degradability:

### Substance-specific information:

Identification	Degradability		Biodegradability	
Sulfuric acid CAS: 7664-93-9 EC: 231-639-5	BOD5	Data not available	Concentration	Data not available
	COD	Data not available	Period	Data not available
	BOD5/COD	Data not available	% Biodegradable	Data not available
2-Pyrrolidone CAS: 616-45-5 EC: 210-483-1	BOD5	ca. 44.9	Concentration	1.7 mg/kg soil d.w.
	COD	Data not available	Period	21d
	BOD5/COD	Data not available	% Biodegradable	90%

## 12.3. Bio accumulative potential

No experimental data are available. According to REACH regulation, Annex IX, section 9.3.2., column 2, no study regarding bioaccumulation needs to be conducted if the substance has a low potential for bioaccumulation.

## 12.4. Mobility in soil

Identification	Adsorption/desorption		Volatility	
Sulfuric acid CAS: 7664-93-9 EC: 231-639-5	Koc	Data not available	Henry	Data not available
	Conclusion	Data not available	Dry soil	Data not available
	Surface tension	Data not available	Moist soil	Data not available
2-Pyrrolidone CAS: 616-45-5 EC: 210-483-1	Koc	7.377 L/kg	Henry	1.46 e-003 Pa*m <sup>3</sup> *mol <sup>-1</sup>
	Conclusion	Very low	Dry soil	Data not available
	Surface tension	N/A	Moist soil	Data not available

## 12.5. Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria.

## 12.6. Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

## 12.7. Other adverse effects:

Not described



### 13. DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No. 1357/2014)
20 01 29	detergents containing hazardous substances	Dangerous

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

HP4 Irritant — skin irritation and eye damage

HP10 Toxic for reproduction – developmental toxicity in the offspring

#### 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.

Waste should not be disposed of into drains. 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

### 14. TRANSPORT INFORMATION

- 14.1. UN number or ID number: Not classified
- 14.2. UN proper shipping name: N/A
- 14.3. Transport hazard class(es): N/A
- 14.4. Packing group: N/A
- 14.5. Environmental hazards: No
- 14.6. Special precautions for user:
  - Special regulations: N/A
  - Tunnel restriction code: N/A
  - Physico-Chemical properties: see section 9
  - Limited quantities: N/A
- 14.7. Maritime transport in bulk according to IMO instruments: N/A

#### Transport of dangerous goods by sea:

With regard to IMDG 40-20:

- 14.1. UN number or ID number: Not classified
- 14.2. UN proper shipping name: N/A
- 14.3. Transport hazard class(es): N/A
- 14.4. Packing group: N/A
- 14.5. Environmental hazards: No



- 14.6. Special precautions for user:  
 Special regulations: N/A  
 Tunnel restriction code: N/A  
 Physico-Chemical properties: see section 9  
 Limited quantities: N/A
- 14.7. Maritime transport in bulk according to IMO instruments:

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2022:

- 14.1. UN number or ID number: Not classified
- 14.2. UN proper shipping name: N/A
- 14.3. Transport hazard class(es): N/A
- 14.4. Packing group: N/A
- 14.5. Environmental hazards: No
- 14.6. Special precautions for user:  
 Special regulations: N/A  
 Tunnel restriction code: N/A  
 Physico-Chemical properties: see section 9  
 Limited quantities: N/A
- 14.7. Maritime transport in bulk according to IMO instruments: N/A

## 15. REGULATORY INFORMATION

### 15.1. Safety, health, and environmental regulations/legislation specific for the substance or mixture:

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not applicable.

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Not applicable.

#### Regulation (EC) No 648/2004 on detergents:

In accordance with this regulation the product complies with the following:

The tensoactives contained in this mixture comply with the biodegradability criteria stipulated in Regulation (EC) n°648/2004 on detergents. The information to prove this is available to the relevant authorities of the Member States and will be shown to them by direct request or the request of a detergent manufacturer.

Cleanright ([www.cleanright.eu](http://www.cleanright.eu)) © A.I.S.E.:



Keep away from eyes. If product gets into eyes rinse thoroughly with water.



Rinse hands after use

### 15.2. Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.



## 16. OTHER INFORMATION

### Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. 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(COMMISSION REGULATION (EU) 2020/878).

Texts of the legislative phrases mentioned in section 2:

H318: Causes serious eye damage.

H315: Causes skin irritation.

H360D - May damage the unborn child.

### 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:

Eye Dam. 1: H318 - Causes serious eye damage.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Skin Irrit. 2: H315 - Causes skin irritation.

H360D - May damage the unborn child.

### Classification procedure:

Eye Dam. 1: Calculation method

Skin Irrit. 2: Calculation method

### Advice related to training:

Training is recommended 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.

### 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: 5day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

LC50: Lethal Concentration 50

EC50: Effective concentration 50

LogPOW: Octanolwater partition coefficient

Koc: Partition coefficient of organic carbon

UFI: unique formula identifier

IARC: International Agency for Research on Cancer