

# SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2015/830 - Europe SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Product name

**Catalogue Number** 

## Cell Boost™ 1 (R05.2) Supplement - L-Glutamine SH30584

Product description	Not available.
Product type	Solid.
Other means of identification	Not available.

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

For further manufacturing.

#### 1.3 Details of the supplier of the safety data sheet

Cytiva Austria Kremplstr. 5 4061 Pasching AUSTRIA Phone: +43 7229 64865

HyClone Laboratories 925 West 1800 South Logan, Utah 84321 Phone; (435) 792-8000

Cytiva Singapore 1 Maritime Square #13-01 Harbourfront Centre Singapore 099253

Person who prepared the SDS: sds\_author@cytiva.com

Europe

Cytiva Austria Kremplstr. 5 4061 Pasching AUSTRIA Phone: +43 7229 64865

#### National advisory body/Poison Centre

Europe

http://www.eapcct.org -> Go to: Links

Hours of operation Mo. - Fr. 08.30 - 17.00

1.4 Emergency telephone number

Call INFOTRAC 24 Hour number: 001-352-323-3500 (Calll Collect).

## **SECTION 2: Hazards identification**

## 2.1 Classification of the substance or mixture

Product definition Mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified.

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Ingredients of unknown toxicity	<ul><li>1.1 percent of the mixture consists of component(s) of unknown acute oral toxicity</li><li>88.6 percent of the mixture consists of component(s) of unknown acute dermal toxicity</li><li>89.7 percent of the mixture consists of component(s) of unknown acute inhalation toxicity</li></ul>
Ingredients of unknown ecotoxicity	Contains 87% of components with unknown hazards to the aquatic environment

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements	
Hazard pictograms	
Signal word	No signal word.
Hazard statements	No known significant effects or critical hazards.
Precautionary statements	
Prevention	Not applicable.
Response	Not applicable.
Storage	Not applicable.
Disposal	Not applicable.
Hazardous ingredients	
Supplemental label elements	Safety data sheet available on request.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Not applicable.
Special packaging requirements	
Containers to be fitted with child-resistant fastenings	Not applicable.
Tactile warning of danger	Not applicable.
2.3 Other hazards	
Product meets the criteria for PBT Annex XIII	or vPvB according to Regulation (EC) No. 1907/2006,
This mixture does not contain any	substances that are assessed to be a PBT or a vPvB.
Other bazards which do not	None known

Other hazards which do not None known. result in classification

## SECTION 3: Composition/information on ingredients

3.2 Mixtures

Mixture

SH30584

			<u>Classification</u>	
Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Туре
Cysteine, hydrochloride, hydrate (1:1:1)	EC: 200-157-7 CAS: 7048-04-6	<2.8	Acute Tox. 4, H302	[1]
L-serine	EC: 200-274-3 CAS: 56-45-1	<1.6	Aquatic Chronic 3, H412	[1]
L-valine	EC: 200-773-6 CAS: 72-18-4	<1.1	Acute Tox. 4, H302	[1]
			See Section 16 for the full text of the H statements declared above.	

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

#### <u>Type</u>

[1] Substance classified with a physical, health or environmental hazard

- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern

[6] Additional disclosure due to company policy

Occupational exposure limits, if available, are listed in Section 8.

## SECTION 4: First aid measures

#### 4.1 Description of first aid measures

Eye contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training.

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

#### Over-exposure signs/symptoms

Over-exposure signs/symp	
Eye contact	No specific data.
Inhalation	No specific data.
Skin contact	No specific data.
Ingestion	No specific data.
4.3 Indication of any imme	ediate medical attention and special treatment needed
Notes to physician	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	No specific treatment.
See toxicological information	(Section 11)

## **SECTION 5: Firefighting measures**

#### 5.1 Extinguishing media

Suitable extinguishing media Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media None known.

#### 5.2 Special hazards arising from the substance or mixture

Hazards from the substance or No specific fire or explosion hazard. mixture

Hazardous combustion products	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides halogenated compounds metal oxide/oxides
5.3 Advice for firefighters	
Special precautions for fire- fighters	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

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

For non-emergency personnel	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
For emergency responders	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
6.3 Methods and material for	containment and cleaning up
Small spill	Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.
Large spill	Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.
6.4 Reference to other sections	See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

#### SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

#### 7.1 Precautions for safe handling

Protective measures	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store between the following temperatures: 2 to 8°C (35.6 to 46.4°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

#### 7.3 Specific end use(s)

Recommendations	Not available.
Industrial sector specific solutions	Not available.

#### SECTION 8: Exposure controls/personal protection

The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario (s).

#### 8.1 Control parameters

#### **Occupational exposure limits**

No exposure limit value known.

Recommended monitoring procedures If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### **DNELs/DMELs**

Product/ingredient name	Туре	Exposure	Value	Population	Effects
L-serine	DNEL	Long term Oral	37.5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	130 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Dermal	375 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	529 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	750 mg/kg bw/day	Workers	Systemic
L-valine	DNEL	Long term Oral	7.9 mg/kg bw/dav	General population	Systemic
	DNEL	Long term Inhalation	27.3 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Dermal	78.5 mg/kg bw/day	General population	Systemic
	DNEL DNEL	Long term Inhalation Long term Dermal	110.7 mg/m <sup>3</sup>	Workers Workers	Systemic Systemic

#### PNECs

No PECs available.

#### 8.2 Exposure controls

OLE EXPOSITIO CONTIONS	
Appropriate engineering controls	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Individual protection measures	
Hygiene measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Skin protection	
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

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Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they with the requirements of environmental protection legislation. In some cases, fume scrul filters or engineering modifications to the process equipment will be necessary to reduce to acceptable levels.	obers,
SECTION 9: Physical and	d chemical properties	
9.1 Information on basic physic	cal and chemical properties	
<u>Appearance</u>		
Physical state	Solid.	
Colour	Off-white.	
Odour	Not available.	
Odour threshold	Not available.	
рН	Not available.	
Melting point/freezing point	Not available.	
Initial boiling point and boiling range	Not available.	
Flash point	Not available.	
Evaporation rate	Not available.	
Flammability (solid, gas)	Not available.	
Upper/lower flammability or explosive limits	Not available.	
Vapour pressure	Not available.	
Vapour density	Not available.	
Relative density	Not available.	
Solubility(ies)	Not available.	
Partition coefficient: n-octanol/ water	Not available.	
Auto-ignition temperature	Not available.	
Decomposition temperature	Not available.	
Viscosity	Not available.	
Explosive properties	Not available.	
Oxidising properties	Not available.	
9.2 Other information		
Burning time	Not available.	
Burning rate	Not available.	
Solubility in water	Not available.	
SECTION 10 <sup>.</sup> Stability an	d reactivity	

## SECTION 10: Stability and reactivity

10.1 Reactivity 10.2 Chemical stability 10.3 Possibility of hazardous reactions	No specific test data related to reactivity available for this product or its ingredients. The product is stable. Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid 10.5 Incompatible materials 10.6 Hazardous	No specific data. No specific data. Under normal conditions of storage and use, hazardous decomposition products should not be
decomposition products	produced.

## SECTION 11: Toxicological information

Not available.

## 11.1 Information on toxicological effects

## Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Cysteine, hydrochloride, hydrate (1:1:1)	LD50 Oral	Rat	1.89 g/kg	-
L-serine L-valine	LD50 Oral LD50 Oral	Rat Rat	14 g/kg 2000 mg/kg	-

Conclusion/Summary

Acute toxicity estimates

Product/ingredient name		Oral (mg/ Dermal kg) (mg/kg)		Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg I)
ØPM- HyClone(TM) Cell Boost(TM	) 1 (R05.2) Supplement	50119	N/A	N/A	N/A	N/A
without L-Glutamine - ADCF L-Cysteine, hydrochloride, hydrate	(1.1.1)	1890	N/A	N/A	N/A	N/A
L-serine	()	14000	N/A	N/A	N/A	N/A
L-valine		2000	N/A	N/A	N/A	N/A
Irritation/Corrosion						
Conclusion/Summary	Not available.					
<u>Sensitiser</u>						
Conclusion/Summary	Not available.					
Mutagenicity						
Conclusion/Summary	Not available.					
<b>Carcinogenicity</b>						
Conclusion/Summary	Not available.					
Reproductive toxicity						
Conclusion/Summary	Not available.					
<b>Teratogenicity</b>						
Conclusion/Summary	Not available.					
Specific target organ toxicity (si Not available. Specific target organ toxicity (re						
Not available.						
Not available. Aspiration hazard						
Not available. Aspiration hazard	Routes of entry anticipat	ed: Oral, Derma	al, Inhalation.			
Not available. <u>Aspiration hazard</u> Not available. Information on likely routes of		ed: Oral, Derma	al, Inhalation.			
Not available. <u>Aspiration hazard</u> Not available. Information on likely routes of exposure						
Not available. <u>Aspiration hazard</u> Not available. Information on likely routes of exposure <u>Potential acute health effects</u>	Routes of entry anticipat	ects or critical h	azards.			
Not available. <u>Aspiration hazard</u> Not available. Information on likely routes of exposure <u>Potential acute health effects</u> Inhalation	Routes of entry anticipat No known significant effe	ects or critical h ects or critical h	azards. azards.			
Not available. <u>Aspiration hazard</u> Not available. Information on likely routes of exposure <u>Potential acute health effects</u> Inhalation Ingestion	Routes of entry anticipat No known significant effe No known significant effe	ects or critical h ects or critical h ects or critical h	azards. azards. azards.			
Not available. <u>Aspiration hazard</u> Not available. Information on likely routes of exposure <u>Potential acute health effects</u> Inhalation Ingestion Skin contact	Routes of entry anticipat No known significant effe No known significant effe No known significant effe No known significant effe	ects or critical h ects or critical h ects or critical h ects or critical h	azards. azards. azards. azards.			
Not available. <u>Aspiration hazard</u> Not available. Information on likely routes of exposure <u>Potential acute health effects</u> Inhalation Ingestion Skin contact Eye contact	Routes of entry anticipat No known significant effe No known significant effe No known significant effe No known significant effe	ects or critical h ects or critical h ects or critical h ects or critical h	azards. azards. azards. azards.			
Not available. <u>Aspiration hazard</u> Not available. Information on likely routes of exposure <u>Potential acute health effects</u> Inhalation Ingestion Skin contact Eye contact <u>Symptoms related to the physic</u>	Routes of entry anticipat No known significant effe No known significant effe No known significant effe No known significant effe <b>al, chemical and toxicolo</b>	ects or critical h ects or critical h ects or critical h ects or critical h	azards. azards. azards. azards.			
Not available. <u>Aspiration hazard</u> Not available. Information on likely routes of exposure <u>Potential acute health effects</u> Inhalation Ingestion Skin contact Eye contact <u>Symptoms related to the physic</u> Inhalation	Routes of entry anticipat No known significant effe No known significant effe No known significant effe No known significant effe <b>al, chemical and toxicolo</b> No specific data.	ects or critical h ects or critical h ects or critical h ects or critical h	azards. azards. azards. azards.			
Not available. <u>Aspiration hazard</u> Not available. Information on likely routes of exposure <u>Potential acute health effects</u> Inhalation Ingestion Skin contact Eye contact <u>Symptoms related to the physic</u> Inhalation Ingestion	Routes of entry anticipat No known significant effe No known significant effe No known significant effe No known significant effe <b>al, chemical and toxicolo</b> No specific data. No specific data.	ects or critical h ects or critical h ects or critical h ects or critical h	azards. azards. azards. azards.			

## Short term exposure

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Potential immediate effects	Not available.
Potential delayed effects	Not available.
Long term exposure	
Potential immediate effects	Not available
Potential delayed effects	Not available.
Potential chronic health effects	
Not available.	
Conclusion/Summary	Not available.
General	No known significant effects or critical hazards.
Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards.
Fertility effects	No known significant effects or critical hazards.
Other information	Not available.

## **SECTION 12: Ecological information**

## 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
<b>ℓ</b> -serine	Acute EC50 83 mg/l	Daphnia	48 hours
	Acute NOEC 1000 mg/l	Algae	72 hours
L-valine	LC50 10000 mg/l	Fish	96 hours
Canalysian/Summany	Netevoileble		

Conclusion/Summary

Not available.

#### 12.2 Persistence and degradability

Product/ingredient name	Test	Result		Dose		Inoculum
ℓ-valine	-	82 % - 28 da	iys	-		-
Conclusion/Summary Not available.						
Product/ingredient name	Aquatic half-life		Photolysis		Biodegra	adability
✓-valine	-	-		-		

#### 12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Cysteine, hydrochloride, hydrate (1:1:1)	-	0.93	low
L-serine L-valine	-3.07 -2.26	0.609 0.846	low low

#### 12.4 Mobility in soil

Mobility

Not available.

#### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**12.6 Other adverse effects** No known significant effects or critical hazards.

## **SECTION 13: Disposal considerations**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

#### 13.1 Waste treatment methods

Product	
Methods of disposal	The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste	Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.
Packaging	
Methods of disposal	The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions	This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## **SECTION 14: Transport information**

	ADR/RID	ADN	IMDG	IATA
14.1 UN number	Not available.	Not available.	Not available.	Not available.
14.2 UN proper shipping name	Not available.	Not available.	Not available.	Not available.
14.3 Transport hazard class(es)	Not available.	Not available.	Not available.	Not available.
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.
Additional information	-	-	-	-

14.6 Special precautions for user

**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to IMO instruments

ruments

Not available.

SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the Not applicable. manufacture, placing on the market and use of certain dangerous substances, mixtures and articles <u>Other EU regulations</u>

Cell Boost™ 1 (R05.2) Supple		SH30
Industrial emissions (integrated pollution prevention and control) -	Not listed	
Industrial emissions (integrated pollution prevention and control) - Water	Not listed	
Ozone depleting substanc	<u>es (1005/2009/EU)</u>	
Not listed.		
Prior Informed Consent (P	<u>PIC) (649/2012/EU)</u>	
Not listed.		
Seveso Directive		
This product is not controlled	under the Seveso Directive.	
International regulations		
	tion List Schedules I, II & III Chemicals	
Not listed.		
Montreal Protocol		
Not listed.		
Stockholm Convention on	Persistent Organic Pollutants	
Not listed.		
Rotterdam Convention on I	Prior Informed Consent (PIC)	
Not listed.		
UNECE Aarhus Protocol or	n POPs and Heavy Metals	
Not listed.		
Inventory list		
Europe	Not determined.	
United States	Not determined.	
Canada inventory	Not determined.	
China	Not determined.	
Japan	Japan inventory (ENCS): Not determined. Japan inventory (ISHL): Not determined.	
15.2 Chemical safety assessment	This product contains substances for which Chemical Safety Assessments are still re	equired.

## SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms	ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement N/A = Not available PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number vPvB = Very Persistent and Very Bioaccumulative

#### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification	
Not classified.		

Full text of abbreviated H statements	H302 H412	Harmful if swallowed. Harmful to aquatic life with long lasting effects.
Full text of classifications [CLP/ GHS]	Aquatic C	0,

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II - Europe

Cell Boost III (R05.2) Supplement - L-Glutamine				
Date of printing	15 September 2021			
Date of issue/ Date of revision	15 September 2021			
Date of previous issue	30 October 2019			
Version	2			

#### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.