

Printing date 09.02.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking

· 1.1 Product identifier

- [·] Trade name: Thymosin Alpha 1
- · Chemical name: Thymosin Alpha 1
- · CAS Number:
- 62304-98-7
- EINECS Number: -
- Index number: -
- Registration number

Registration number for this substance has not yet been assigned or the substance is manufactured / imported in a volume that does not require its registration.

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

- Sector of Use SU24 Scientific research and development
- · Application of the substance / mixture
- Raw material for research and development.
- (see more labels, or product / data sheet)
- · Not recommended uses All except above mentioned uses.

\cdot 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

PARTICLE, s.r.o. Kolonáda 4490/18 SK-984 01 Lučenec (Slovakia) Tel: + 421 917 976 258 E-mail: info@particlepeptides.com

• Further information obtainable from: EKO-ADR, s.r.o., ekoadr@ekoadr.sk

· 1.4 Emergency telephone number:

Poisons Centres in Europe (consultation in case of acute intoxication): http://www.eapcct.org/index.php?page=links

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008

The substance is not classified, according to the CLP regulation.

· Additional information:

Although the product is not classified as dangerous, may show signs of danger (see sections 9-12 SDS).

- · 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008 Void
- · Hazard pictograms Void
- Signal word Void
- · Hazard statements Void
- · Precautionary statements Void
- 2.3 Other hazards

· Results of PBT and vPvB assessment

· PBT / vPvB:

According to the information available, the product does not meet criteria such as PBT (persistent, bioaccumulative and toxic) or as vPvB (very persistent, very bioaccumulative) in accordance with Annex XIII of REACH (substance on its own or in a mixture).

Determination of endocrine-disrupting properties

According to the information available, the product does not meet the criteria for having endocrine disrupting properties (substance on its own or in a mixture).

SECTION 3: Composition/information on ingredients

- · 3.1 Substances
- CAS No. Description
- 62304-98-7 Thymosin Alpha 1
- Additional information:
- Sequence: Ac-Ser-Asp-Ala-Ala-Val-Asp-Thr-Ser-Ser-Glu-IIe-Thr-Thr-Lys-Asp-Leu-Lys-Glu-Lys-Glu-Val-Val-Glu-Glu-Ala-Glu-Asn-OH Formula: C129H215N33O55 Molecular weight: 3108.32 g / mol

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SECTION 4: First aid measures

• 4.1 Description of first aid measures

· General information:

Remove contaminated clothing and shoes (use of personal protective equipment, see section 8). In case of any uncertainty or if any symptoms occur, seek medical assistance and show this SDS or label. Protect your health. Information for doctor: treatment is symptomatic.

- After inhalation: Ensure of fresh air. In the event of symptoms refer for medical treatment.
- · After skin contact:

In case of contact with skin wash off with soap and water. Remove contaminated clothing. Seek medical help if necessary.

After eye contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical help if necessary.

• After swallowing:

If swallowed by mistake wash out with plenty of water. Do not induce vomiting. Call doctor immediately.

- 4.2 Most important symptoms and effects, both acute and delayed
- No further relevant information available (for more see sections 2 and 11).
- 4.3 Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:

Carbon dioxide, dry extinguisher, alcohol resistant foam (large fire). Cool container at risk with water jet spray. Fire-extinguishing activities according to surrounding.

- For safety reasons unsuitable extinguishing agents: Not determined.
- 5.2 Special hazards arising from the substance or mixture
- Under certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:
- 5.3 Advice for firefighters
- Protective equipment:

Do not stay in dangerous zone without self-contained breathing apparatus. Use chemical overall and equipment.

Additional information

Cool container with spray water from a save distance. Contain escaping vapours with water. Prevent firefighting water from entering surface water or groundwater.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Do not inhale dust. Ensure supply of fresh air in enclosed rooms. Avoid contact with eyes and skin. 6.1.2. For emergency responders:

- More info in section 5.
- · 6.2 Environmental precautions: Do not discharge into the drains/surface waters/groundwater.
- 6.3 Methods and material for containment and cleaning up:

Spilled product mechanically collect and then place in suitable containers. Follow disposal is governed by regulations set out in section 13, watch the value in section 8. The affected area and used tools thoroughly wash with suitable detergent, do not use solvents.

· 6.4 Reference to other sections

See section 7 for information on safe handling. See section 8 for information on personal protective equipment. See section 13 for information on safe disposal.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Before the usage check out sections 2, 6, 8 and 11. Don't breathe aerosold/dust. Eating, drinking, smoking as well as food storage, is prohibited in work room.

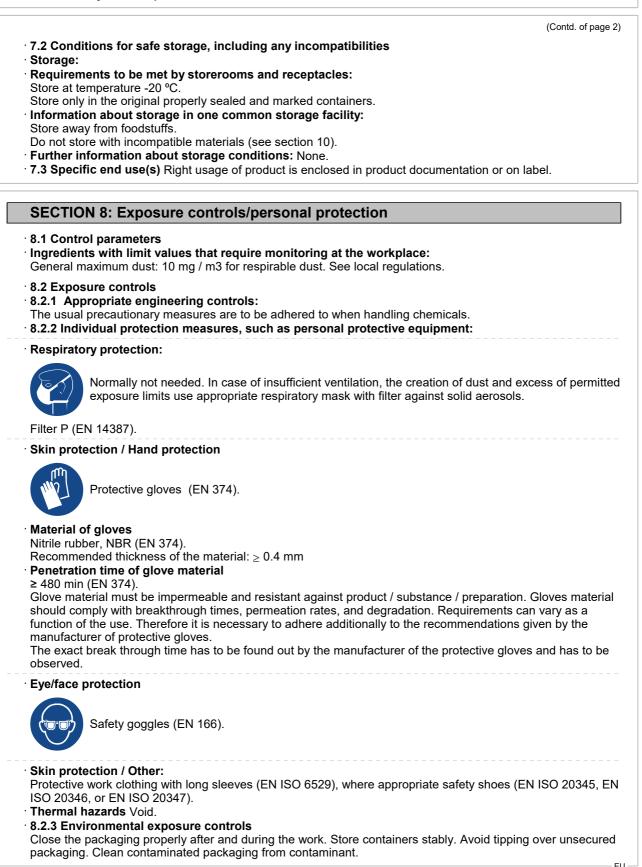
· Information about fire - and explosion protection: No special measures required.

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SECTION 9: Physical and chemical prop	
9.1 Information on basic physical and chemical p	roperties
General Information	
Physical state:	Solid
Calavir	Powder
Colour:	Not determined.
Odour:	No further relevant information available.
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling	Indetermined
range Flammability	Undetermined. Product is not flammable.
Lower and upper explosion limit	Froduct is not naminable.
Lower:	Not determined.
Upper:	Not determined.
Flash point:	Not applicable.
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
pH	Not applicable.
Kinematic viscosity	Not applicable.
Dynamic:	Not applicable.
Solubility	
water:	No data available.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not applicable.
Density and/or relative density	
Absolute density:	Not determined.
Relative vapour density	Not applicable.
Particle characteristics	See item 3.
9.2 Other information	
Explosive properties:	Product does not present an explosion hazard.
Surface tension	
VOC (EC)	Not determined.
Change in condition	Not dotominiou.
Evaporation rate	Not applicable.
•	
Information with regard to physical hazard classe	
Explosives	Void
Flammable gases	Void
Aerosols	Void
	Void
Gases under pressure	Void
Gases under pressure Flammable liquids	Void Void
Gases under pressure Flammable liquids Flammable solids	Void Void Void
Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures	Void Void Void Void
Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids	Void Void Void Void Void
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Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures	Void Void Void Void Void
Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures Substances and mixtures, which emit flammable	Void Void Void Void Void Void
Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures Substances and mixtures, which emit flammable gases in contact with water Oxidising liquids	Void Void Void Void Void Void Void
Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures Substances and mixtures, which emit flammable gases in contact with water Oxidising liquids	Void Void Void Void Void Void Void Void
Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures Substances and mixtures, which emit flammable gases in contact with water Oxidising liquids Oxidising solids	Void Void Void Void Void Void Void Void
Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures Substances and mixtures, which emit flammable gases in contact with water Oxidising liquids	Void Void Void Void Void Void Void Void

SECTION 10: Stability and reactivity

• 10.1 Reactivity See section 10.3.

10.2 Chemical stability

• Thermal decomposition / conditions to be avoided: See section 7.

10.3 Possibility of hazardous reactions No dangerous reactions known.

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- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials:
- Oxidising agents.
- Strong acids.
- Strong bases.

10.6 Hazardous decomposition products: See section 5.

SECTION 11: Toxicological information

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- Acute toxicity Based on available data, the classification criteria are not met.
- Skin corrosion/irritation: Based on available data, the classification criteria are not met.
- · Serious eye damage/irritation: Based on available data, the classification criteria are not met.
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- STOT-single exposure:

Based on available data, the classification criteria are not met.

Inhalation of dust can cause irritation of the respiratory tract.

- STOT-repeated exposure: Based on available data, the classification criteria are not met.
- Aspiration hazard: Based on available data, the classification criteria are not met.

· Ingestion respons:

Ingestion: abdominal discomfort and other negative effects (sickness, nausea etc.). The effects may be immediate, or even later.

- Mixtures / mixture versus substance information Not applicable. It is a substance.
- Information on likely routes of exposure See the above information in section 11.
- Symptoms related to the physical, chemical and toxicological characteristics See the above information in section 11.
- Delayed and immediate effects as well as chronic effects from short and long-term exposure See the above information in section 11.
- · Interactive effects No data available.
- · Absence of specific data No data available.
- · 11.2 Information on other hazards
- · Endocrine disrupting properties
- Substance is not listed.

· Other information See the above information in section 11.

SECTION 12: Ecological information

- · 12.1 Toxicity
- · Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- · vPvB: Not applicable.
- 12.6 Endocrine disrupting properties
- The product does not contain substances with endocrine disrupting properties.
- 12.7 Other adverse effects
- Not classified as hazardous for environment.

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

Recommendation

Waste producer has the treatment handled by a dealer or an establishment or undertaking which carries out waste treatment operations or arranged by a private or public waste collector. While respecting all the physical/chemical (and other) aspects of the nature of the waste in accordance with the waste hierarchy in the following order: 1. Prevention, 2. Reuse, 3. Material recovery (recycling), 4.Other recovery (e.g. energy (Contd. on page 6)

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recovery), 5. Disposal (e.g. landfilling). Waste legislation (see section 15). • European waste catalogue Catalogue numbers with an asterisk (*) indicate hazardous wastes (H), numbers without aster non-hazardous waste (NH).	risk indicates
16 03 06 organic wastes other than those mentioned in 16 03 05	
15 01 02 plastic packaging	

20 01 39 plastics

· Uncleaned packaging:

· Recommendation: Dispose as a non hazardouse waste.

SECTION 14: Transport information · 14.1 UN number or ID number · ADR/RID/ADN, IMDG, IATA Void · 14.2 UN proper shipping name ADR/RID/ADN, IMDG, IATA Void · 14.3 Transport hazard class(es) · ADR/RID/ADN, IMDG, IATA · Class Void · ADN/R Class: Void 14.4 Packing group · ADR/RID/ADN, IMDG, IATA Void · 14.5 Environmental hazards: Not applicable. 14.6 Special precautions for user Not applicable. · 14.7 Maritime transport in bulk according to IMO instruments Not applicable. · Transport/Additional information: Not dangerous according to the above specifications.

SECTION 15: Regulatory information

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

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I Substance is not listed.

European legislation:

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP), amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (and subsequent amendments and supplements).

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (and subsequent amendments and supplements).

COMMISSION REGULATION (EU) No 2020/878 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Commission Regulation (EU) 2018/605 of 19 April 2018 amending Annex II to Regulation (EC) No 1107/2009 by setting out scientific criteria for the determination of endocrine disrupting properties.

DIRECTIVE 2008/98/EC OF THE EP AND OF THE COUNCIL on waste and repealing certain Directives (and subsequent amendments and supplements).

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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ŝ	This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The classification of the mixture was performed according to the calculation methods given in CLP Annex I.
-	Fraining hints Workers must be trained in accordance with local provisions.
1	Abbreviations and acronyms:
	ADR: Accord sur le transport des marchandises dangereuses par Route (Agreement concerning the International Carriage of Dangerous Goo by Road)
	CAS: Chemical Abstract Service
E	CLP – Classification, Labeling and Packaging of substances and mixtures (abreviation for Regulation 2008/1278/EC) EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances
	ErC50: value of the effective concentration of the test substance at which 50% of the test organisms die or immobilize
	HS: Globally Harmonized System of Classification and Labelling of Chemicals
	ATA: International Air Transport Association
	ATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
	CAO: International Civil Aviation Organization
	CAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
	MDG: International Maritime Code for Dangerous Goods
	.C50: lethal concentration that causes death in 50% of the test population .D50: lethal dose that causes death in 50% of the test population (median lethal dose)
	LP: No-Longer Polymers
	O(A)EL: dose value without observed adverse effect
	VOEC: highest concentration of the substance at which no adverse effects are observed
	RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the
	nternational Transport of Dangerous Goods by Rail)
	SDS: Safety Data Sheet
	JFI: unique formula identifier (code according related toxicological center can identify the dangerous properties of the substance / mixture from
	he label after poisoning) /OC: Volatile Organic Compounds (USA, EU), TOC: Total Organic Compounds
	BT: Persistent. Bioaccumulative and Toxic
	PVB: very Persistent and very Bioaccumulative
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