

Safety Information Sheet Article 31 of "REACH" Regulation (EC) N. 1907/2006 and its amendments do not apply to this product. This document is provided for information only, is not a Safety Data Sheet, it therefore does not need to meet the regulatory requirements of Annex II of this regulation.

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

1.1. Product identifier	
Product Name:	FSS Pisum Sativum Peptide
Product Code:	FSS16810
1.2. Relevant identified uses	of the substance/mixture and uses advised against
Recommended Use:	Topical cosmetic use.
Restrictions on Use:	None.
1.3. Details of the supplier of	the safety data sheet
Company name:	Formulator Sample Shop [®] Srl
Company address:	Via Petrolo Litta 9, 20008 - Bareggio (Milan) Italy
Telephone number:	+39 (0)2 902 78 641
Fax number:	+39 (0)2 903 60 718
E-mail address:	info@formulatorsampleshop.eu

1.4. Emergency telephone number

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance/mixture

Classification:

GHS / CLP Basis for Classification:	Based on present data no classification and labeling is required according to GHS, taking into account the national implementation (United Nations version 2011).
USA	
OSHA Regulatory Status:	This material is non-hazardous as defined by the American OSHA Hazard Communication Standard (29 CFR 1910.1200).
Europe	
Basis for Classification:	 According to present data no classification and labeling is required according to Regulation (EC) No. 1272/2008. This product is not classified as hazardous to health or environment according to the CLP regulation.
Nature of special risks attributed:	None in particular



Safety Information Sheet Article 31 of "REACH" Regulation (EC) N.

Article 31 of "REACH" Regulation (EC) N. 1907/2006 and its amendments do not apply to this product. This document is provided for information only, is not a Safety Data Sheet, it therefore does not need to meet the regulatory requirements of Annex II of this regulation.

Provided symbols / Pictograph:	No hazard symbol expected
Hazard Statements/Signal Words:	Not applicable
Precautionary Statements:	P233: Keep container tightly closed P281: Use personal protective equipment as required P402: Store in a dry place P404: Store in a closed container P410: Protect from sunlight P411: Store at temperatures not exceeding 32°C

2.3. Other hazards which do not result in classification:

No particular fire or explosion hazard.	
By mechanical effect:	No particular hazards
By hydroscopic effect:	No particular hazards

US NFPA 704 (National Fire Protection Association) Hazard Rating System:

Health hazard:	Rating 0; Normal Material
Flammability:	Rating 0, Will Not Burn
Reactivity:	Rating 0, Stable
Other Hazard Information:	None
Reactivity:	Rating 0, Stable

Results of PBT and vPvB assessment:

-PBT:	Not applicable
-vPvB:	Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Composition/information on ingredients

Common Chemical Name:	Pisum Sativum (Pea) Peptide
Generic Name:	
Chemical Family:	Hydrolyzed Protein

Description: Mixture: consisting of the following components. This section describes all components of the mixture.

Substance	CAS Numbers	EC Numbers	Percentage
Pisum Sativum (Pea) Peptide	90082-41-0	290-130-6	98.00%
Leuconostoc/Radish Root Ferment Filtrate	1686112-10-6 (or) 84775-94-0	N/A (or) 283-918-6	2.00%

Formula:

Not applicable



Safety Information Sheet Article 31 of "REACH" Regulation (EC) N. 1907/2006 and its amendments do not apply to this product. This document is provided for information only, is not a Safety Data Sheet, it therefore does not need to meet the regulatory requirements of Annex II of this regulation.

FIRST AID MEASURES 4.

4.1. Description of first aid measures

General:	In all cases of doubt, or when symptoms persist, seek medical attention0
Direct contact with skin:	Rinse immediately with soap and water. Get medical advice if irritation
	develops.
Direct contact with eyes:	Immediately rinse with plenty of water for at least 15 minutes, while
	keeping the eyes wide open. Consult with a physician.
Inhalation:	Move to fresh air from exposure area. Get medical attention for any
	breathing difficulty.
Ingestion:	Consult with a physician.
Protection of first-aiders:	No special protection required.

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

d effects:	No data available	
4.3. Indication of any immediate medical attention and special treatment needed		
	No data available	
GHTING MEASURES		
	Water, dry chemicals, foam and carbon dioxide.	
	d effects: on of any immediate medic GHTING MEASURES ishing media Media:	

5.2. Special hazards arising from the substance/mixture

Advice for firefighters 5.3.

Special Fire Fighting Procedures:	Move container from fire area if it can be done without risk.
	Avoid inhalation of material or combustion by-products.
	Stay upwind and keep out of low area.
Protection for fire-fighters:	Boots, gloves, goggles.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures 6.1.

For non-emergency personnel:	Avoid contact with eyes.
For emergency responders:	Avoid contact with eyes.

Personal Protective Equipment:

Protective goggles



Safety Information Sheet Article 31 of "REACH" Regulation (EC) N. 1907/2006 and its amendments do not apply to this product. This document is provided for information only, is not a Safety Data Sheet, it therefore does not need to meet the regulatory requirements of Annex II of this regulation.

6.2. Environmental precautions

Environmental Protection Measures: Prevent entry into sewers and waterways. Do not allow material to contaminate ground water system.

6.3. Methods and material for containment and cleaning up

Recovery:	Pick up free liquid for recycling or disposal. Residual liquid can be absorbed on an inert material. Sweep or vacuum up any powder and place in a clearly labeled waste container, avoiding dust formation.
Cleaning/Decontamination:	Wash non-recoverable remainder with water.
6.4. Reference to other sections References:	Refer to paragraphs 8 and 13 for more information.

7. HANDLING AND STORAGE

Precaution for safe handling 7.1.

Technical measures: Measures: Safe handling advice:	Labeling: Keep out of the reach of children. For industrial use, only as directed. Wash hands after use. Avoid storage near feed or food stuff.
7.2. Conditions for safe storage, includi	ng any incompatibilities
Technical measures: Recommended Storage Conditions:	Keep container closed. Store in a dry place at temperatures not exceeding 32°C. Based on stability studies, the optimum storage temperature for maximization of shelf life is 23 – 25°C. However, it may be stored at temperatures between 16 and 32°C if such specific temperature control is not available. Do not freeze. Please refer to stability data for effects heat or cold may have on the specifications of the product.
Incompatible products:	Avoid contact with strong oxidizers. Refer to the detailed list of incompatible materials (Section 10 Stability/Reactivity).
Packaging: Packaging materials:	Product may be packaged in normal commercial packaging. Recommended - Polypropylene & High Density Polyethylene.
7.3. Specific and use(s) Use(s):	Cosmetic use.

EXPOSURE CONTROLS/PERSONAL PROTECTION 8.

Precautionary statements:

Ensure adequate ventilation.



Safety Information Sheet Article 31 of "REACH" Regulation (EC) N. 1907/2006 and its amendments do not apply to this product. This document is provided for information only, is not a Safety Data Sheet, it therefore does not need to meet the regulatory requirements of Annex II of this regulation.

8.1. Control parameters

Occupational exposure Limits:

France:	Not Determined
ACGIH:	Not Determined
Korea:	Not Determined
UK:	Not Determined
Surveillance procedures:	Not Determined
Engineering measures:	Not Determined

Exposure controls/ Personal Protective Equipment: 8.2.

Respiratory protection: Hand protection Eye protection: Collective emergency equipment: Skin and Body Protection:	Local exhaust. Protective gloves made of rubber or neoprene. Safety glasses. Eye fountain. Suitable protective clothing.
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice.
Measures related to the Environment:	No particular measures.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties 9.1.

Appearance: Color (Gardner):	Clear to slightly hazy liquid 10 Maximum
Odor:	Characteristic
pH (Direct @ 25°C):	3.0 - 5.0
NVM (1g-2hr-105°C):	41-53%
Peptide Content (Kjeldahl N x 6.25):	22.0% Minimum
Heavy Metals: Lead: Arsenic: Cadmium:	< 20 ppm < 10 ppm < 2 ppm < 1 ppm



Safety Information Sheet Article 31 of "REACH" Regulation (EC) N. 1907/2006 and its amendments do not apply to this product. This document is provided for information only, is not a Safety Data Sheet, it therefore does not need to meet the regulatory requirements of Annex II of this regulation.

Microbial Content:	< 50 CFU/g; No pathogens
Yeast & Mold:	< 50 CFU/g
Gram Negative Bacteria:	0 CFU/g
Specific Gravity:	1.162
Vapor density:	Not applicable
Boiling Point:	100°C
Freezing Point:	0°C
Melting point:	Not applicable
Flash point:	> 200°F
Oxidizing properties:	Non oxidizing material according to EC criteria.
Solubility: In water: In organic solvents: Log P:	Soluble Not determined Not determined
9.2. Other information Information:	N/A

10. STABILITY AND REACTIVITY

10.1. Reactivity Reactivity:	None known
10.2. Chemical stability Stability:	Stable under ordinary conditions of use and storage up to one year then re-test to full product specifications to extend shelf life.
10.3. Possibility of hazardous reactions Hazardous reaction:	None known
10.4. Conditions to avoid	
Conditions to avoid:	No dangerous reactions known under use of normal conditions. Avoid extreme heat.
10.5. Incompatible materials	
Incompatibility:	No dangerous reaction known with common products.
10.6. Hazardous decomposition products	
Hazardous decomposition:	None known



Safety Information Sheet Article 31 of "REACH" Regulation (EC) N.

Article 31 of "REACH" Regulation (EC) N. 1907/2006 and its amendments do not apply to this product. This document is provided for information only, is not a Safety Data Sheet, it therefore does not need to meet the regulatory requirements of Annex II of this regulation.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Ingestion: Dermal: Ocular: Inhalation:	Not Determined Non-Irritant (Dermal Irritection Model) Non-Irritant (Ocular Irritection Model) Not Determined
Acute toxicity data: Sensitization:	Non-Irritant & Non-Primary Sensitizer Non-Primary Sensitizer; Will not cause allergic contact dermatitis (In Chemico Skin Sensitization Direct Peptide Reactivity Assay & In Vitro Skin Sensitization ARE-Nrf2 Luciferase Test Method)
Repeated dose toxicity: Subacute to chronic toxicity:	No known effects Not Determined
Mutagenicity:	Non-Mutagenic (OECD471/ISO10993.Part 3 – Genotoxicity: Bacterial Reverse Mutation Test)
Additional Toxicological Information:	This product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
Specific effects:	
Carcinogenicity: Mutagenicity: Reproductive toxicity: Neuro-toxicity:	No known effects No known effects No known effects No known effects
For more information:	Does not present any particular risk on handling under normal conditions of good occupational hygiene practice.

This product has not been tested for the following: -Primary cutaneous and corrosive irritation -Acute oral toxicity

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Toxicity:

Effects on the aquatic environment:

EC10 (Freshwater Alga): 138.22 mg/L – Not harmful to aquatic organisms EC20 (Freshwater Alga): 292.45 mg/L – Not harmful to aquatic organisms



Safety Information Sheet Article 31 of "REACH" Regulation (EC) N. 1907/2006 and its amendments do not apply to this product. This document is provided for information only, is not a Safety Data Sheet, it therefore does not need to meet the regulatory requirements of Annex II of this regulation.

12.2. Persistence and degradability Persistence and degradability:	Readily Biodegradable (87.3% biodegradation after 28 days of testing)	
12.3. Bioaccumulative potential Bioaccumulative potential:	Not determined	
12.4. Mobility Precipitation: Expected behavior of the product:	Ultimate destination of the product: Soil & sediment.	
12.5. Results of PBT and vPvB assessme Results of PBT and vPvB assessment:	Not determined	
12.6. Other adverse effects Other adverse effects:	None known	
13. DISPOSAL CONSIDERATIONS		
13.1. Waste treatment methods		
Residues from product		
Prohibition: Destruction/Disposal:	Do not allow the product to be released into the Environment. Dispose of in accordance with relevant local regulations.	
Contaminated packaging		
Decontamination/cleaning: Destruction/Disposal:	Cleaning is not required prior to disposal. Dispose of in accordance with relevant local regulations.	
Note: Take all necessary precautions when disposing of this product according to local regulations.		

TRANSPORT INFORMATION 14.

14.1. UN number	
Number:	None
14.2. UN proper shipping name	
Shipping name:	None



Safety Information Sheet Article 31 of "REACH" Regulation (EC) N. 1907/2006 and its amendments do not apply to this product. This document is provided for information only, is not a Safety Data Sheet, it therefore does not need to meet the regulatory requirements of Annex II of this regulation.

14.3. Transport hazard class(es)		
Hazard class:	Not classified as dangerous for transport.	
Land (rail/road): Sea: Air:	Material is not restrictive for land transport and is not regulated by ADR/RID Material is not restrictive for sea transport and is not regulated by IMO/IMDG Material is not restrictive for land transport and is not regulated by ICA/IATA	
Marine Pollutant:	No	
Transport/Additional Information:	Not regulated for US DOT Transport in non-bulk containers. This material is not dangerous or hazardous.	
14.4. Picking group Picking group:	None	
14.5. Environmental hazards Environmental hazards:	None	
14.6. Special precautions for user		
Precautions:	None known	
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code		
Transport in bulk:	N/A	

The above regulatory prescriptions are those valid on the date of publication of this sheet. However, given the possible evolution of transport regulations for hazardous materials and in the event of the MSDS in your possession dating back more than 12 months, it is advisable to check their validity with your sales office.

15. **REGULATORY INFORMATION**

15.1. Safety, health an environmental regulations/legislation specific for the substance/mixture

Labeling: EC regulations:	This product does not need to be labeled in accordance with EC Directives or respective national laws
Further regulations	
United Kingdom:	Handle in accordance with relevant British regulation: control of substance Hazardous to Health Regulations Environmental Hygiene Guidance: EH40 Workplace Exposure Limits (revised annually)



Safety Information Sheet

Article 31 of "REACH" Regulation (EC) N. 1907/2006 and its amendments do not apply to this product. This document is provided for information only, is not a Safety Data Sheet, it therefore does not need to meet the regulatory requirements of Annex II of this regulation.

Korea regulations:	Industrial safety and hygiene regulation: Hazardous material control regulation: Fire prevention regulation:	No No
Germany:	Regulations concerning the classification of ha (WGK-Wassergefährdungsklasse): -WGK – Low hazard to waters (VwVwS o	
Other regulations:		
EINECS inventory status:	Pisum Sativum Peptide: Leuconostoc/Radish Root Ferment Filtrate:	290-130-6 N/A (or) 283-918-6
TSCA inventory status:	Exempt	
AICS inventory status:	Not Listed: 1686112-10-6 Listed: 90082-41-0 & 84775-94-0	
Canadian (CEPA DSL) inventory status):	Not Listed: Leuconostoc/Radish Root Ferme Listed as Pea, ext. (Revised ICL) & Radish, ex	
Japan (MITI list):	Pisum Sativum (Pea) Peptide & Leuconosto	
Korea:	Pisum Sativum (Pea) Peptide & Leuconosto Filtrate**	c/Radish Root Ferment
China inventory status:	Not Listed: Pisum Sativum (Pea) Peptide Listed: Leuconostoc/Radish Root Ferment F	iltrate
Philippines inventory status:	Not Listed: Leuconostoc/Radish Root Ferme 84775-94-0) Listed as Pea, ext.	

**Not listed in 2004 CTFA Dictionary – Registered with Personal Care Products Council

15.2. Chemical safety assessment

Assessment:

N/A

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the products described in this sheet. The user's attention is drawn to the possible existence of additional provision which complete these regulations. Please refer to all applicable international, national and local regulations and provisions

16. OTHER INFORMATION

Prohibited uses:	For specific uses, food industry, ask the manufacturer for more information.
Last Revision Date:	10/07/2020
Preparation Date:	23/05/2022



Safety Information Sheet Article 31 of "REACH" Regulation (EC) N. 1907/2006 and its amendments do not apply to this product. This document is provided for information only, is not a Safety Data Sheet, it therefore does not need to meet the regulatory requirements of Annex II of this regulation.

MSDS summary of changes	 Added Precautionary Statement – Section 2 (Hazards Identification) Added Heavy Metals & Arsenic – Section 9 (Physical & Chemical Properties) Updated China Regulatory Information – Section 15 (Regulatory Information) Updated Transport Information – Section 14 (Transport Information) Added Peptide Content – Section 9 (Physical & Chemical Properties) Updated CAS/EINEC#'s – Section 3 (Composition / Information on Ingredients) & Section 15 (Regulatory Information), Added Mutagenicity Data – Section 11 (Toxicological Information) & Added Biodegradability Data – Section 12 (Ecological Information) Added Sensitization Data – Section 11 (Toxicological Information) Added Sensitization Data – Section 11 (Toxicological Information) Added Acute Toxicity Data – Section 11 (Toxicological Information) Added Lead & Cadmium & Updated Microbial Content – Section 9 (Physical & Chemical Properties) Added Germany Regulatory Information – Section 15 (Regulatory Information) Updated CAS/EINEC#'s – Section 3 (Composition / Information on Ingredients) & Section 15 (Regulatory Information) Updated CAS/EINEC#'s – Section 3 (Composition / Information on Ingredients) & Section 15 (Regulatory Information) Updated CAS/EINEC#'s – Section 3 (Composition / Information on Ingredients) & Section 15 (Regulatory Information) Updated CAS/EINEC#'s – Section 3 (Composition / Information on Ingredients) & Section 15 (Regulatory Information) Updated CAS/EINEC#'s – Section 3 (Composition / Information on Ingredients) & Section 19 (Physical & Chemical Properties) Updated Precautionary Statement – Section 7 (Handling & Storage), Added Specific Gravity – Section 9 (Physical & Chemical Properties), Updated Acute Toxicity Data – Section 11 (Toxicological Information) & Added Ecotoxicity Data – Section 12 (Ecological Information) Updated Europe Basis for Classification – Section 2 (Hazards Information)
Further information:	This document is in accordance with EC Directive 2001/58/EC and the Regulation (EC) 1907/2006 (REACH) Annex II. The information given is based on our knowledge of this product, at the time of publication in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than which it was intended. This is not in any way excuse the user from knowing and applying all the regulations governing their activity. It is sole responsibility of the user to take all precautions required in handling the product. The purpose of mandatory regulation mentioned is to help the user to fulfill his obligations regarding the use of products. This information is not exhaustive, this is not exonerate the user from ensuring that legal obligations other than those mentioned, relating to the use and storage.