

Product Information

Product Data Sheet

PEPHA®-TIGHT

Description

PEPHA®-TIGHT is an aqueous solution of an extract of the microalgae *Nannochloropsis Oculata*, rich in vitamin C and vitamin B12 and a blend of polysaccharides for skin care products.

Product identification

Product code: 50 3567 8

Composition

INCI name	Content	CAS No.	EINECS/ELINCS
<i>Nannochloropsis Oculata</i> Extract*	1-5%	92128-82-0	295-780-4
Pullulan	10-25%	9057-02-7	232-945-1
Aqua	>50%	7732-18-5	231-791-2
Phenoxyethanol**	0.1-1%	122-99-6	204-589-7
Sodium Benzoate**	0.1-1%	532-32-1	208-534-8
Potassium Sorbate**	0.1-1%	24634-61-5	246-376-1

* Previous INCI name: Algae Extract

** regulated as preservative in cosmetics in some countries, e.g. Europe, China, Japan

Specifications

Appearance:	yellow to amber, opalescent to turbid, highly viscous liquid
pH:	4.5 - 5.5
Relative density d20/20:	1.050 - 1.150
Residue on drying:	19.0 - 23.0 % m/m
Total aerobic mesophile plate count:	< 100 CFU / g
Specified microorganisms:	not detectable in one gram

Solubility

PEPHA®-TIGHT is soluble in water and stable in aqueous solutions at the pH range of 5 to 7.

Stability and storage

PEPHA®-TIGHT may be stored for at least 36 months from the date of manufacture in the unopened original container protected from light in a clean and cool place at a temperature between 2 and 8°C. The 'Best use before' date is printed on the label. Keep package tightly closed. Once opened, use contents quickly. In order to avoid secondary microbial contamination, following opening, containers should be handled with special care.

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Uses

PEPHA[®]-TIGHT is a cosmetic ingredient for skin care products. PEPHA[®]-TIGHT should be incorporated into the formulation at temperatures below 50°C. In formulations, PEPHA[®]-TIGHT is compatible with ethanol at concentrations of up to 10%. For skin care preparations, the addition of 1 to 5% PEPHA[®]-TIGHT is recommended.

Safety

This product is safe for the intended use. Avoid ingestion or direct contact by applying suitable protective measures and personal hygiene.

For full safety information and necessary precautions, please refer to the respective DSM Material Safety Data Sheet.

Legal notice

The information given in this publication is based on our current knowledge and experience, and may be used at your discretion and risk. It does not relieve you from carrying out your own precautions and tests. We do not assume any liability in connection with your product or its use. You must comply with all applicable laws and regulations, and observe all third party rights.

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Additional information

To find out more about our ingredients, please contact your nearest DSM Nutritional Products office.

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