

# Product Information

## Product Data Sheet

# PENTACARE-NA PF

## Description

PENTACARE-NA PF is an aqueous solution of a mixture of hydrolyzed proteins isolated from wheat gluten and galactomannans obtained from seeds of locust bean gum for cosmetic application. PENTACARE-NA PF is preserved with phenoxyethanol.

## Product identification

Product code: 50 3771 9

### Composition

INCI name	Content	CAS No.	EINECS/ELINCS
Hydrolyzed Wheat Gluten	1-5%	100684-25-1	309-696-3
Ceratonia Siliqua Gum	0.1-1%	9000-40-2	232-541-5
Aqua	>50%	7732-18-5	231-791-2
Sodium Dextran Sulfate	0.1-1%	9011-18-1	none
Citric Acid	0.1 - 1%	77-92-9	201-069-1
Phenoxyethanol	0.1-1%	122-99-6	204-589-7
Ethylhexylglycerin	<0.1%	70445-33-9	408-080-2

## Specifications

Appearance:	clear to slightly opalescent, yellowish, slightly viscous solution
pH:	4.5 - 5.5
Residue on drying:	3.2 - 3.7 % m/m
Relative density d <sub>20/20</sub> :	1.010 - 1.020
Refractive index n <sub>25</sub> :	1.337 - 1.340
Nitrogen, total:	0.25 - 0.30 % m/m
Optical transmission T at 750 nm:	> 90 %
Identity by HPTLC:	corresponds to reference sample
Total aerobic mesophile plate count:	< 100 CFU / ml
Specified microorganisms:	not detectable in one milliliter

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## Solubility

PENTACARE-NA PF is soluble in water.

## Stability and storage

PENTACARE-NA may be stored for at least 36 months from the date of manufacture in the unopened original container protected from light in a clean place at a temperature between 15 and 25°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.

## Uses

PENTACARE-NA PF is a cosmetic ingredient for skin care products. PENTACARE-NA PF can be processed either warm (<80°C) or cold and should be incorporated into the aqueous phase of a cosmetic formulation. For skin care preparations, the addition of 2 to 5% PENTACARE-NA PF 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.

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### 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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