REPARAGE

CHEMICAL NAME: Technology for hair care

INCI name (1)	CAS number (1)	EINECS number (1)
Aqua	7732-18-5	231-791-2
Polyquaternium-10	81859-24-7 / 53568-66-4 / 54351-50-7 / 55353-19-0 / 68610-92-4 / 81859-24-7	617-262-2 / 611-015-2 / 614-667-6
PEG-90M	25322-68-3	—
Hydrolyzed Rice Protein	156715-40-1	—
Carbocysteine	638-23-3	211-327-5
Serine	302-84-1 / 56-45-1	206-130-6 / 200-274-3
Glutamic acid	56-86-0	200-293-7
Methylchloroisothiazolinone (and) Methylisothiazolinone	26172-55-4 (and) 2682-20-4	247-500-7 (and) 220-239-6

(1) Reference: (http://ec.europa.eu/consumers/cosmetics/cosing/index.cfm?fuseaction=search.simple), CosIng, Europe.

INCI name (2)	CAS number (2)	EINECS number (2)
Water	7732-18-5	231-791-2
Polyquaternium-10	81859-24-7 / 53568-66-4 / 54351-50-7 / 55353-19-0 / 68610-92-4 / 81859-24-7	617-262-2 / 611-015-2 / 614-667-6
PEG-90M	25322-68-3	—
Hydrolyzed Rice Protein	156715-40-1	—
Carbocysteine	638-23-3	211-327-5
Serine	302-84-1 / 56-45-1	206-130-6 / 200-274-3
Glutamic acid	56-86-0	200-293-7
Methylchloroisothiazolinone (and) Methylisothiazolinone	26172-55-4 (and) 2682-20-4	247-500-7 (and) 220-239-6

(2) Reference: Personal Care Products Council. Available at: (https://incipedia.personalcarecouncil.org/winci/ingredient-custom-search/), USA.

SPECIFICATION

Appearance (25°C)	: Liquid
Color	: Yellow to amber
Odor	: Characteristic
Density (25°C)	: 0.968 – 1.068 g/ml
Refractive index (25°C)	: 1.285 – 1.395
pH 100% (25°C)	: 2.500 – 4.500

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DEFINITION

REPARAGE is a multifunctional active ingredient that minimizes and repair the damage caused by hair exposure to the external agents. This technology provides to the hair the reposition of the lost proteins and amino acids, as well as provides to the hair a healthier and youthful appearance.

* **Scientifically proven results**

PROPERTIES

REPARAGE promotes special structural reparation at the hair, increasing the aged hair strands diameter, repairing macro & micro damages caused by physic-chemo-thermo-environmental stress and preventing the hair strands of the damage cascade mechanisms that normally lead to dryness, fragility and aged appearance. It also contributes to the protection of hairs submitted to damage caused by discoloration, straightening, mechanical stress and UV exposition. A series of tests have been performed, such as hair strand penetration, reduction of damage at the hair fiber surface, increase in strand diameter, thermoprotection of α-keratin structure, increase of brilliance and color conservation. All of them have been successfully approved or showed great positive results and benefits.

APPLICATION

REPARAGE is indicated for shampoos, conditioners, masks, creams, and other formulations to treat damage hair.

SUGGESTED DOSAGES

The product dosage recommendation is from 1.0 to 3.0 %.

STORAGE

REPARAGE should be stored in covered and dry area away from direct light, at room temperature and in the unopened original packaging.

SHELF LIFE

Twenty-four (24) months from manufacturing date.

REFERENCES

1. *CosIng*, Europe (http://ec.europa.eu/consumers/cosmetics/cosing/index.cfm?fuseaction=search.simple)
2. Personal Care Products Council; *Online International Cosmetic Ingredient Dictionary & Handbook (wINCI)*; Copyright© 2008 Personal Care Products Council. Available at: <*https://incipedia.personalcarecouncil.org/winci/ingredient-custom-search/*,, USA.. Accessed in: Aug. 03, 2023.

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