

HYDRA-SIL

CHEMICAL NAME: Panthenol methylsilanetriol.

INCI name ⁽¹⁾	CAS number ⁽¹⁾	EINECS number ⁽¹⁾
Panthenol	81-13-0 / 16485-10-2	201-327-3 / 240-540-6
Silanetriol	2445-53-6	219-489-9
Phenoxyethanol	122-99-6	204-589-7
Sodium Benzoate	532-32-1	208-534-8
Aqua	7732-18-5	231-791-2

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

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Silanetriol	2445-53-6	219-489-9
Phenoxyethanol	122-99-6	204-589-7
Sodium Benzoate	532-32-1	208-534-8
Water	7732-18-5	231-791-2

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

SPECIFICATION

Appearance (25°C)	: Clear to slightly opale liquid
Color	: Colorless to slightly yellow
pH 100% (25°C)	: 4.5 – 6.5
Sodium Benzoate (Exsymol)	: 0.15 – 0.25 %
Phenoxyethanol (Exsymol)	: 0.90 – 1.10 %
D-Pantenol	: 0.60 – 0.80 %
Silicon (Exsymol)	: 0.0 – 1.0 g/kg
Mesophilic aerobic germs (Exsymol)	: 0.0 – 100.0 UFC/ml
Moulds and yeasts (Exsymol)	: 0.0 – 1.0 UFC/ml

PROPERTIES AND APPLICATION

Bioactive agent especially developed for use in cosmetic products for hair care, such as shampoos, conditioners, capillary masks, tonics, and treatment ampoules. Due to its resistance to alkaline pH, **HYDRA-SIL** is highly recommended for use in formulations for straightening, relaxants, perms, and hair dyes.

SUGGESTED DOSAGE

>2.0 – 5.0 %

STORAGE

Store in a covered and dry area, away from sunlight and at temperatures between 5°C and 30°C

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: Apr. 28, 2023.