

Pollution Protection Day Cream

A feather light day cream to shield the skin from daily pollutants and drying of the skin
 The active ingredients are **HerbaProtect NOX** to protect against UV induced sun damage.
Cityguard+ forms a second skin to protect against pollution induced antiaging.

	Trade Name	INCI Name	Function	%W/W	Supplier
1	Purified Water (1)	Aqua	Solvent	37.83	75.66
2	Versene® NA2 Crystals	Disodium EDTA	Chelating Agent	0.05	Dow Chemical Ltd
3	Organic Glycerine	Glycerin	Humectant	0.5	Protec Botanica Ltd
4	Novaxan 80T	Xanthan Gum	Rheology Modifier	0.1	ADM Via ProTec Ingredia Ltd
5	Purified Water (2)	Aqua	Solvent	30	
6	Cetpro Thix Carbomer FD	Carbomer	Rheology Modifier	0.1	Protec Ingredia Ltd
7	Euxyl PE9010	Phenoxyethanol and Ethylhexylglycerin	Preservative	1.1	Schulke UK
8	LIPOID P100	Phosphatidylcholine and Tocopherol	Emulsifier	1.5	Lipoid Kosmetik Via ProTec Ingredia
9	PHOSPHOLIPON 80H	Hydrogenated Phosphatidylcholine	Emulsifier	1.5	Lipoid Kosmetik Via ProTec Ingredia
10	Surfac Cetyl Alcohol	Cetyl Alcohol	Co-emulsifier	2	Surfachem Ltd
11	Sweet Almond Oil	Prunus Amygdalus (Sweet Almond) Oil	Emollient	5	Protec Botanica Ltd
12	Lanolin Alcohol AG	Lanolin Alcohol	Emollient	2	NK Europe Ltd
13	Sweet Almond Butter	Prunus Amygdalus (Sweet Almond) Oil, Hydrogenated Vegetable Oil	Emollient	5	EFP Biotek Via ProTec Ingredia
14	SABODERM AB	C12-15 Alkyl Benzoate	Emollient	10	Safic Alcan
15	Potassium Hydroxide (36% Solution)	Potassium Hydroxide	pH Adjuster	0.02	
16	HerbaProtect NOX	Glycerin, Aqua, Punica Granatum Flower Extract, Perilla Frutescens Leaf Extract, Terminalia Ferdinandiana Fruit Extract	Anti-pollution Active Ingredient	2	Lipoid Kosmetik Via ProTec Ingredia
17	Cityguard+ PA	Sea water (and) aqua (and) hydrolyzed algin (and) phenoxyethanol (and) sucrose (and) ethylhexylglycerin	Anti-pollution Active Ingredient	1	Codif Via ProTec Ingredia
18	PERFCOMP AR325859	Parfum	Fragrance	0.3	CPL Aromas

ProTec Ingredia Ltd
 Unit 10, Delta Court, Manor Way, Borehamwood, Hertfordshire, WD6 1FJ, UK
 Website: www.protecingredia.com
 Registered in London No. 07517784 VAT No. GB 100 2120 14

The information provided, to the best of our knowledge is believed to be correct however we do not guarantee its accuracy. Potential purchasers shall not only rely on information stated herein when purchasing any products and should make their own investigations to determine if such products are suitable for a particular use. It is your responsibility to thoroughly test any formulations and all warranties, indemnities or liabilities implied or expressed by law are hereby excluded by ProTec Ingredia Ltd to the fullest extent permitted by law.

Method of Manufacture

Into the main vessel add:

Purified Water (1)	Start the mixer on a fast speed
Disodium EDTA	Mix until dispersed
Xanthan Gum	Sprinkle Xanthan' Gum into the Vortex of the mixer, mix until dissolved
Glycerin	Mix until dissolved

Into premix vessel(1) add

Purified Water (2)	
Cetpro Thix Carbomer FD	Slowly sprinkle over the surface and leave to 'wet out'

Add the premix vessel(1) into the main vessel.

Mix until homogenous.

Heat the main vessel to 75C-80C.

Into the main vessel add:

Euxyl PE9010
LIPOID P100
PHOSPHOLIPON 80H

Into premix vessel(2) add:

Surfac Cetyl Alcohol
 Sweet Almond Oil
 Lanolin Alcohol AG
Sweet Almond Butter

SABODERM AB Commence heating the premix vessel to 75-80C

When both vessels are at 75C-80C add the premix vessel into the main vessel and homogenize for 5 minutes.

Into the main vessel add:

Potassium Hydroxide Homogenise for a further minute.

When the bulk is 40C add:

HerbaProtect NOX Mix until dispersed.
 Cityguard+ PA Mix until dispersed.
 PERFCOMP AR325859 Mix until dispersed.

Continue to cool to 23C and then check the Product Specifications.

Product Specifications

pH	6.00-6.80
Viscosity	20-35,000 cps Brookfield RVT TBAR D Speed 2.5 1 minute
Colour	Off White
Appearance	Semi-solid shiny cream

ProTec Ingredia Ltd
 Unit 10, Delta Court, Manor Way, Borehamwood, Hertfordshire, WD6 1FJ, UK
 Website: www.protecingredia.com
 Registered in London No. 07517784 VAT No. GB 100 2120 14

The information provided, to the best of our knowledge is believed to be correct however we do not guarantee its accuracy. Potential purchasers shall not only rely on information stated herein when purchasing any products and should make their own investigations to determine if such products are suitable for a particular use. It is your responsibility to thoroughly test any formulations and all warranties, indemnities or liabilities implied or expressed by law are hereby excluded by ProTec Ingredia Ltd to the fullest extent permitted by law.