

For the use of a Registered Medical Practitioners or a Hospital or a Laboratory only

AHAGLOW SKIN PROTECT GEL

INGREDIENTS

Ahaglow Skin Protect Gel SPF 40

Purified water, Ethylhexyl Methoxycinnamate (and) Diethylamino Hydroxybenzoyl Hexyl Benzoate, Isoamyl laurate, Nylon 12, Ethylhexyl triazone, Magnesium aluminium silicate, Polyglyceryl-6 Distearate (and) Jojoba Esters (and) Polyglyceryl-3 Beeswax and Cetyl Alcohol, Bis-ethylhexyloxyphenol methoxyphenyl triazine, Water (and) glycerin (and) polygonum aviculare extract, Xanthan gum, VP /Eicosene copolymer, Ectoin, Phenoxyethanol and Ethylhexylglycerin, Caprylyl glycol, Fragrance, Sodium Acrylates/ Beheneth-25 Methacrylate Crosspolymer (and) Hydrogenated Polydecene (and) Lauryl Glucoside, Saccharide isomerate (active) aqua (and) citric acid (and) sodium citrate, Citrullus lanatus (watermelon) fruit extract (and) Citrulline, Disodium EDTA, Citric acid, triethanolamine

INDICATION

Skin protection against UV & IR along with free radical inhibition and anti-aging benefits.

DIRECTION FOR USE

Take adequate amount of gel & apply on face, neck and exposed areas of the skin 20-30 minutes prior to sun exposure. Re-apply frequently to maintain protection, especially after sweating, swimming, towel drying or extended sun exposure.

KEY INGREDIENTS

Polygonum Aviculare extract

Knotgrass (Polygonum aviculare) extract rich in flavonoids. It protects skin from total sun damage (UV-induced, IR-induced and heat-induced damages). The Extract clinically improves the visible signs of photo-aging such as an increase of firmness and elasticity associated with a reduction of the appearance of wrinkles.

Citrullus Lanatus (Watermelon) Fruit Extract

Aqueous extract of watermelon is very rich in citrulline, vitamins, carbohydrates and amino acid. Highly purified Citrullus lanatus extract helps prevent DNA damage in skin cells-inhibiting the release of free radicals induced by UV light. It delays perceptible skin reddening and irritation while at the same time delivering protection to the deeper layers of the skin.

It provides significant protection of DNA nucleotides in vitro from oxidation processes. In vivo it has proven 25% increase in skin protection. It protects the skin from UV induces inflammation and irritation, providing a more even skin texture and also helps premature skin ageing, the skin's appearance remains younger.

UVA modification of DNA in skin cells triggers different responses which include activation of a dedicated protein, p53, by a process known as phosphorylation. This initiates either DNA

repair or apoptosis. Another effect of UV irradiation is nucleotide to form 8-oxo guanine, which leads to breakdown of DNA strands (oxidation of the guanine)

Citrullus Lanatus (Watermelon) Fruit Extract protects the skin DNA from irreversible damage, keeps cells in good shape and thereby sustaining skin's natural beauty (based on in-vitro assays- quantification of 8-oxo guanine and phospho-p53)

Ectoin

Ectoin is a small organic molecule that is synthesized and accumulated inside of extremophiles, i.e. micro-organisms that thrive under extreme environmental conditions.

It stabilizes and maintains biological structures (membranes, proteins, enzymes, and nucleic acids) and protects from environmental stresses such as variations in temperature, high salt concentrations, strong UV radiation, or dehydration.

It activates natural protection mechanism of skin under stress conditions. Provides accelerated protection of skin cells against damaging external stress factors

Ectoin protects the number of Langerhans Cells in UV-irradiated human skin and strengthens the immune system of the skin Protection against photo-ageing. It causes activation of natural protection mechanisms (Anti-pollution/Anti-stress). Protects from dehydration and reduces sun burn cells.

Saccharide Isomerate

Derived from plant based D-glucose. It has a unique binding mechanism to the skin that is not washed off. It provides long lasting moisturization effect for upto 12 hrs.

Ethylhexyl Methoxycinnamate (and) Diethylamino Hydroxybenzoyl Hexyl Benzoate

Ethylhexyl Methoxycinnamate

Ethylhexyl-methoxycinnamate (EHMC), an ultraviolet (UV) filter that absorbs solar UVB radiation is frequently used in the formulation of sunscreens and cosmetics. It is an organic UV-B filter that absorbs UV-B rays from sun. It is often combined with nanoparticles or other water-resistant liposomes in formulations to increase the localization at the epidermis and decrease the risk of percutaneous absorption.

Diethylamino Hydroxybenzoyl Hexyl Benzoate

Diethylamino hydroxybenzoyl hexyl benzoate is a UV filter with high absorption in the UVA range. It is an organic UV filter that attenuates the exposure of UV radiation on human skin.

Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine

Bemotrizinol, or bis-ethylhexyloxyphenol methoxyphenyl triazine, is an organic UV filter Compared to older broad-spectrum chemical agents, bemotrizinol is more fat soluble (oil soluble in cosmetic oils) to aid in efficacy and broad-spectrum activity. It is claimed to be photostable, which increases its onset of action and its efficiency in providing protection against UV-rays upon topical application.

Ethylhexyl Triazone

Ethylhexyl triazone is an organic compound used in sunscreens to absorb UVB radiation. Due to its insolubility in water and affinity to the skin keratin, it is particularly suitable for water-resistant products. Its excellent photostability and high absorption coefficient make it a

valuable ingredient when a high SPF (sun protection factor) value is required.

CONTRAINDICATIONS

- The product is contraindicated in patients with known hypersensitivity to any of the raw material of cosmetic product.
- Discontinue use, if signs of irritation or rash appear.
- Avoid contact with eyes, rinse with water immediately in case of accidental contact.
- Do not swallow.

UNDERSTANDING THE BASICS OF SKIN

Skin is the body's largest organ and has 3 layers.

- The top layer is called the epidermis. It protects the underlying skin layers from the outside environment.
- The second layer is the dermis. It contains cells that provide strength, support, and flexibility to the skin.
- The last layer is the hypodermis. It contains the fat cells or adipose tissue that insulates the body and helps it conserve heat.

FUNCTIONS OF THE SKIN

- First line of defence
- Protection from dehydration, pathogens, and injury
- Regulates body temperature

WHAT IS IR (INFRA-RED) RADIATION?

The Sunlight reaching Earth's surface includes visible light, ultraviolet and infrared radiation.

Infrared radiation is a type of electromagnetic radiation, as are radio waves, ultraviolet radiation, X-rays and microwaves. Infrared waves are longer than those of visible light, just beyond the red end of the visible spectrum. The sun gives off half of its total energy as IR, and much of its visible light is absorbed and re-emitted as IR. The infrared part of the electromagnetic spectrum covers the range from roughly 300 GHz to 400 THz (1 mm - 750 nm). It can be divided into three parts: Far-infrared, from 300 GHz to 30 THz (1 mm – 10 µm), Mid-infrared, from 30 to 120 THz (10–2.5 µm) and Near-infrared, from 120 to 400 THz (2,500–750 nm). Most near IR radiation that reaches the Earth's surface readily penetrates the superficial layers of the skin.

EFFECTS OF IR (INFRA-RED) RADIATION ON SKIN

The effects of IR radiation and heat exposure on skin induces cutaneous angiogenesis and inflammatory cellular infiltration, disrupts the dermal extracellular matrix by inducing matrix metalloproteinases, and alters dermal structural proteins, thereby adding to premature skin aging.

WHAT IS AHAGLOW SKIN PROTECT GEL?

Ahaglow Skin Protect Gel is an advanced sunscreen formula, which protects cells against damage caused by UV and IR rays. It also protects biomolecules (cell membrane, DNA & cell proteins).

BENEFITS OF USING AHAGLOW SKIN PROTECT GEL

- UVA , UVB Protection and IR Protection
- Free radical inhibition & Skin cell protection
- Reduces sun damages to cells
- Anti-photo-ageing
- Extended hydration with velvety silky skin feel
- Water/sweat resistance (In Vitro)
- Non-Comedogenic
- PA+++

EXPIRY DATE

Use before 24 months from the date of manufacture

STORAGE

Store below 30°C, Protect from light. Keep out of reach of children.

Keep tightly closed after use.

FOR EXTERNAL USE ONLY

PRESENTATION

Available in pack of 60 gm.

MFG .LIC NO. AND DATE

5/C/UA/LL/2014 dated 11.09.2019

Manufactured By :

Torrent Pharmaceuticals LTD.

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MARKETED BY



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IN/ AHAGLOW SKIN PROTECT GEL 60 gm/AUG-20/01/PI