



# Phytoplex<sup>®</sup>

Clinical Skincare with  
Nurturing Botanicals



THE REMEDY SKIN DESERVES

# WORKING FOR THE BENEFIT OF SENSITIVE SKIN

The Medline Remedy Phytoplex® line combines the most advanced skincare science with some of the gentlest, most beneficial botanicals nature provides. The result is a complete regimen of skincare specifically formulated for use on sensitive skin.

The Phytoplex line continues to grow to meet the ongoing demand for more effective solutions to a variety of sensitive skin issues. Within the line, you'll find products to cleanse, moisturize, protect and treat while nourishing with a gentle formulation that combines the best of science and nature.



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soy beans



# THE SCIENCE & NATURE OF PHYTOPLEX

The primary mission of the Phytoplex line focuses on managing at-risk skin so that redness, dry skin and stress do not disrupt the normal barrier function of the skin surface. Phytoplex is formulated to help mitigate these negative effects and help maintain conditions needed for normal, healthy skin function.



# 1

## NOURISHING & SOOTHING

**Naturally abundant blue-green algae** is extremely rich in proteins, vitamins, antioxidants, essential fatty acids and carbohydrates.<sup>(1,2)</sup>

# 2

## MOISTURIZING

**Yeast Extract<sup>3</sup> & Soy Proteins<sup>4</sup>** and polysaccharides from the yeast extract have qualities that promote moisturization. As film formers, soy proteins are natural humectants, helping moisturize the skin's surface.<sup>(5)</sup>

# 3

## APPLICATION TECHNOLOGY

**Encapsulation helps stabilize Vitamin D** to permit more efficient application to the skin surface. Since encapsulation causes a small electric charge, it is naturally drawn to the skin which has a negative charge.

# 4

## PROTECTING AGAINST FREE RADICALS

**Hydrolyzed Soy Protein, Green Tea Extract and Clove Flower Extract** are antioxidants. These help soothe and comfort skin, reducing stress.

# THE CHALLENGE SKINCARE



Sometimes we forget that skin is our largest organ. It's a remarkably durable and self-sustaining system. But like every part of the human body, the skin faces considerable health challenges in different stages of life.

#### **SOME ARE EXTERNAL FACTORS LIKE:**

incontinence, radiation, contact with irritants like detergents and sun, physical stress, everyday drying conditions

#### **SOME ARE INTERNAL FACTORS LIKE:**

slowed cell replication due to aging, decrease in protein synthesis, increase in proteolysis, hormonal changes, fatigue, obesity, nutritional imbalance, disease, medication

As skin ages through time or photoexposure, it produces less collagen and elastin, key building blocks for healthy skin. The most obvious changes are dryness, loss of elasticity, sagging skin and loss of tone. These factors, in turn, cause elevated proteolytic activity leading to redness and provoking other undesirable changes in the skin.<sup>6,7,8</sup>

#### **MEDLINE REMEDY PHYTOPLEX MEETS THE SKINCARE CHALLENGE**

Representing the latest advances in skincare technology, the PhytoPLEX skincare line provides an arsenal of products to meet the ongoing demand for more effective skincare solutions. With a special blend of core ingredients, the entire line was developed to nourish and soothe skin, provide moisture, and help protect skin from damage.

# OF

Green tea



Blue-green algae



Soy beans



Clove flower

## WHAT IS IN PHYTOPLEX?

**Hydrolyzed Soy Protein<sup>4</sup>, Yeast Extract<sup>3</sup>, Vitamin D<sup>9</sup>**  
These are all humectants derived from nature to moisturize skin.<sup>5</sup>

**Blue-Green Algae Extract**  
Soothes and refreshes with vital nutrients including proteins, vitamins and antioxidants.<sup>12</sup>

**Green Tea and Clove Flower Extract**  
These two ingredients are naturally high in antioxidants to soothe and comfort skin.

## MANY ALSO CONTAIN:

**Natural Oils and Extracts:**  
Calophyllum Tacamahaca Seed Oil, Santalum Album (Sandalwood) Extract, Phellodendron Amurense Bark Extract and Hordeum Distichon (Barley) Extract  
Rich in antioxidants to help condition skin

**Borago Officinalis Seed Oil**  
A single source of eight beneficial fatty acids including gamma-linolenic acid (GLA)

**Phospholipids**  
Cleanse and condition the skin without stripping the skin of its natural oils

## WHAT'S NOT IN PHYTOPLEX?

**Parabens**  
Studies have shown evidence of parabens as endocrine inhibitors, however, there is considerable debate over its safe use. Some clinicians prefer other preservative methods.<sup>10</sup>

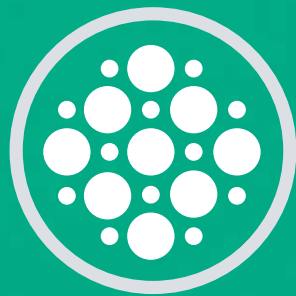
**Sulfates**  
This commonly used cleansing agent has the potential to dry out and irritate skin. Typically present in high sudsing products.<sup>11</sup>

**Aloe**  
Although it is widely used as an emollient, aloe may cause allergic reactions in some patients.<sup>12</sup>

**Phthalates**  
Several studies link phthalates with negative health side effects.<sup>13</sup>

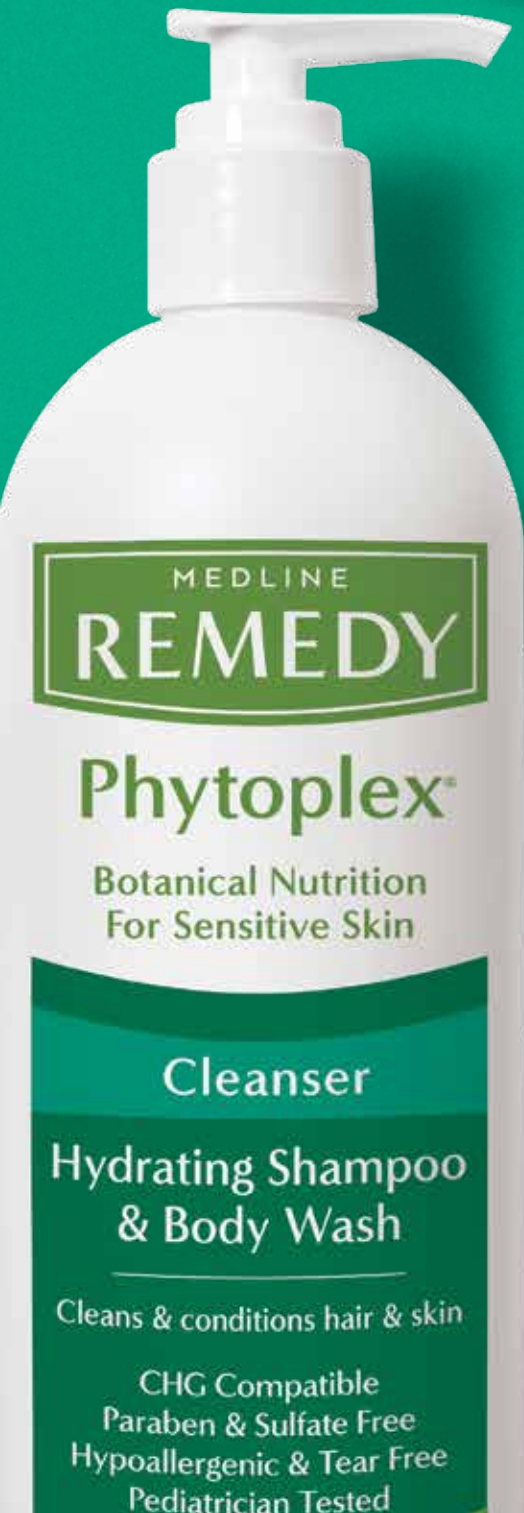


A proprietary blend of beneficial botanicals are at the heart of each PhytoPLEX formulation



CLEANSE





# THE GENTLEST OF CLEANSERS

Cleansing sensitive, fragile, erythematous or dry skin is very challenging.<sup>14,15</sup> The full line of Medline Remedy Phytoplex cleansers provide gentle, yet effective, alternatives to meet the demands of sensitive skin.

Medline Remedy Phytoplex cleansers leave skin clean, nourished, hydrated, and prepared for the next steps in your skincare regimen.



# 1

## CLEANSE WITHOUT HARSH SULFATES

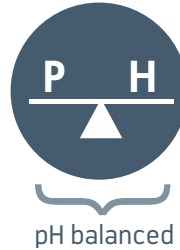
+ Medline Remedy Phytoplex cleansers are low sudsing. Suds are typically associated with harsh sulfate-based surfactants that can strip away skin's protective oils. Phytoplex formulas are mild, pH-balanced and tear-free to ensure patients won't feel the sting of regular shampoos and soaps in their eyes or on sensitive skin. Also, these cleansers are designed to be easily removed even when hard water is present.

# 2

## GENTLE PHOSPHOLIPIDS REMOVE DIRT AND OILS, NOT MOISTURE

Phospholipids are gentle cleansers, similar to the skin's own lipids.

+ Their unique hydrophilic/oleophilic molecular structure helps lift away dirt and oils without stripping away needed moisture.<sup>16,17,18</sup>



# 3

## CONDITION SKIN WITH SOOTHING BOTANICALS

+ The best sensitive skin cleansers not only clean gently and effectively, they condition the skin without occluding it.

The proprietary Phytoplex blend of botanicals nourish the skin, help moisturize skin cells with soy proteins, and soothe the skin with green tea and clove flower.

▶ Coconut is the major source of the mild, yet effective, cleaning power of Phytoplex cleansers.



# 1

## HYDRATING CLEANSING GEL

### SHAMPOO & BODY WASH FOR SHOWER OR BEDSIDE

- > Gently cleanses and conditions both sensitive skin and hair

Low sudsing, sulfate-free, formula to maintain natural pH and moisture balance

For use on intact, irritated or denuded skin

Ideal for all ages

Contains natural emollients and a touch of dimethicone to moisturize skin

One 4 ounce bottle makes 1 gallon of no-rinse cleaning solution

Contains beneficial blend of proprietary Phytoplex botanicals

Tear-free, hypoallergenic, non-irritating and non-sensitizing



### INGREDIENTS:

Water, Coco-Glucoside, Cocamidopropyl Betaine, Aphanizomenon Flos-Aquae (Algae Extract), Camellia Sinensis (Green Tea) Leaf Extract, Eugenia Caryophyllus (Clove) Flower Extract, Yeast Ferment Extract, Hydrolyzed Soy Protein, 7-Dehydrocholesterol, Zea Mays (Corn) Oil, Phospholipids, Tocopheryl Acetate, Glycerin, Dimethicone PEG-7 Phosphate, Caprylic/Capric Triglyceride, Hydrogenated Lecithin, Trisodium Ethylenediamine Disuccinate, Diethylhexyl Syringylidenemalonate, Acrylates/C10-30 Alkyl Acrylate Crosspolymer, Sodium Hydroxide, Phenoxyethanol, Ethylhexylglycerin, Ethylene Brassylate, Vanilla Planifolia Fruit Extract, Isopropyl Myristate, Methyl Dihydrojasmonate

Add H to the end of the item numbers to order by the each

Dispenser available in Black (REMPUSHBLAC) or White (REMPUSHGRAY)

# SHAMPOO & BODY WASH

ALSO AVAILABLE IN  
DISPENSER BAGS

MSC092034  
33.8 fl oz (1000mL)  
8/cs

MSC092002  
2 fl oz (59 mL)  
96/cs

MSC092004  
4 fl oz (118 mL)  
48/cs

MSC092008  
8 fl oz (236 mL)  
12/cs

MSC092016  
16 fl oz (472 mL)  
12/cs



# 2

## HYDRATING CLEANSING SPRAY

### GENTLE, NO-RINSE CLEANSER FOR HAIR, FACE & BODY

- > Spray cleanser allows uniform coverage for larger areas of skin

Cleansing body lotion provides cleansing with a higher degree of moisturizing

For use on intact, irritated or denuded skin

Strong enough to remove difficult barrier pastes and creams, as well as blood and fecal matter

Sulfate-free formula is pH balanced to be compatible with skin

Ideal for all ages

Tear-free, hypoallergenic, non-irritating, non-sensitizing



### SPRAY CLEANSER INGREDIENTS:

Water, Coco-Glucoside, Cocamidopropyl Betaine, Aphanizomenon Flos-Aquae (Algae Extract), Camellia Sinensis (Green Tea) Leaf Extract, Eugenia Caryophyllus (Clove) Flower Extract, Yeast Ferment Extract, Hydrolyzed Soy Protein, 7-Dehydrocholesterol, Zea Mays (Corn) Oil, Calophyllum Tacamahaca Seed Oil, Phospholipids, Tocopheryl Acetate, Glycerin, Dimethicone PEG-7 Phosphate, Caprylic/Capric Triglyceride, PEG-40 Hydrogenated Castor Oil, Hydrogenated Lecithin, Citric Acid, Trisodium Ethylenediamine Disuccinate, Methylisothiazolinone, Ethylene Brassylate, Vanilla Planifolia Fruit Extract, Isopropyl Myristate, Methyl Dihydrojasmonate

Add H to the end of the item numbers to order by the each

# NO-RINSE CLEANSING SPRAY

## CLEANSING BODY LOTION INGREDIENTS:

Water, Carthamus Tinctorius (Safflower) Seed Oil, Glycerin, Stearic Acid, Dimethicone, Glyceryl Stearate, PEG-100 Stearate, Olea Europaea (Olive) Fruit Oil, Aphanizomenon Flos-Aquae (Algae Extract), Camellia Sinensis (Green Tea) Leaf Extract, Eugenia Caryophyllus (Clove) Flower Extract, Rosmarinus Officinalis (Rosemary) Leaf Extract, Yeast Ferment Extract, Zea Mays (Corn) Oil, Helianthus Annuus (Sunflower) Seed Oil, Carthamus Tinctorius (Safflower) Oleosomes, Retinyl Palmitate, Cholecalciferol, Bisabolol, Hydrolyzed Soy Protein, 7-Dehydrocholesterol, Phospholipids, Tocopheryl Acetate, Sodium Hyaluronate, Cocamidopropyl PG-Dimonium Chloride, Caprylic/Capric

Triglycerides, Stearyl Alcohol, Cetyl Alcohol, Citric Acid, Trisodium Ethylenediamine Disuccinate, Potassium Cetyl Phosphate, Hydrogenated Palm Glycerides, Sodium Hydroxide, 1,2-Hexanediol, Phenoxyethanol, Ethylene Brassylate, Vanilla Planifolia Fruit Extract, Isopropyl Myristate, Methylidihydrojasmonate

MSC092308  
8 fl oz (236 mL)  
12/cs

MSC092204  
4 fl oz (118 mL)  
24/cs

MSC092208  
8 fl oz (236 mL)  
12/cs



# 3

## HYDRATING CLEANSING FOAM

### GENTLE, NO-RINSE CLEANSER FOR HAIR, FACE & BODY

- > Gentle foam clings where it is applied

For use on intact, irritated or denuded skin

Removes difficult barrier pastes and creams, as well as blood and fecal matter

Ideal for all ages

Phytoplex botanicals soothe and maintain moisture

Tear-free, hypoallergenic, non-irritating and non-sensitizing



### SCENTED INGREDIENTS:

Water, Coco-Glucoside, Cocamidopropyl Betaine, Aphanizomenon Flos-Aquae (Algae Extract), Camellia Sinensis (Green Tea) Leaf Extract, Eugenia Caryophyllus (Clove) Flower Extract, Yeast Ferment Extract, Hydrolyzed Soy Protein, 7-Dehydrocholesterol, Zea Mays (Corn) Oil, Calophyllum Tacamahaca Seed Oil, Phospholipids, Tocopheryl Acetate, Glycerin, Dimethicone PEG-7 Phosphate, Caprylic/ Capric Triglyceride, PEG-40 Hydrogenated Castor Oil, Hydrogenated Lecithin, Citric Acid, Trisodium Ethylenediamine Disuccinate, Methylisothiazolinone, Ethylene Brassylate, Vanilla Planifolia Fruit Extract, Isopropyl Myristate, Methyl Dihydrojasmonate

Add H to the end of the item numbers to order by the each



# NO-RINSE CLEANSING FOAM

## UNSCENTED INGREDIENTS:

Water/Aqua/Eau,  
Coco-Glucoside,  
Cocamidopropyl Betaine,  
Aphanizomenon  
Flos-Aquae (Algae Extract),  
Camellia Sinensis (Green  
Tea) Leaf Extract,  
Eugenia Caryophyllus  
(Clove) Flower Extract,  
Yeast Ferment Extract,  
Hydrolyzed Soy Protein,  
7-Dehydrocholesterol,  
Zea Mays (Corn) Oil,  
Calophyllum Tacamahaca  
Seed Oil, Phospholipids,  
Tocopheryl Acetate,  
Glycerin, Dimethicone  
PEG-7 Phosphate, Caprylic/  
Capric Triglycerides,  
PEG-40 Hydrogenated  
Castor Oil, Hydrogenated  
Lecithin, Citric Acid,  
Trisodium Ethylenediamine  
Disuccinate,  
Methylisothiazolinone



## GENTLE FORMULATION FOR REPETITIVE CLEANUPS

Medline Remedy  
Phytoplex foam cleanser  
offers clear advantages,  
especially for patients  
requiring repetitive  
cleanups. The no-rinse  
formulation contains  
antioxidants and  
moisturizers. Plus, it's  
pH balanced to be  
compatible with the  
skin's acid mantle.<sup>26</sup>

MSC092104  
4 fl oz (118 mL)  
24/cs

UNSCENTED  
MSC092104UNSC  
4 fl oz (118 mL)  
24/cs

MSC092108  
8 fl oz (236 mL)  
12/cs





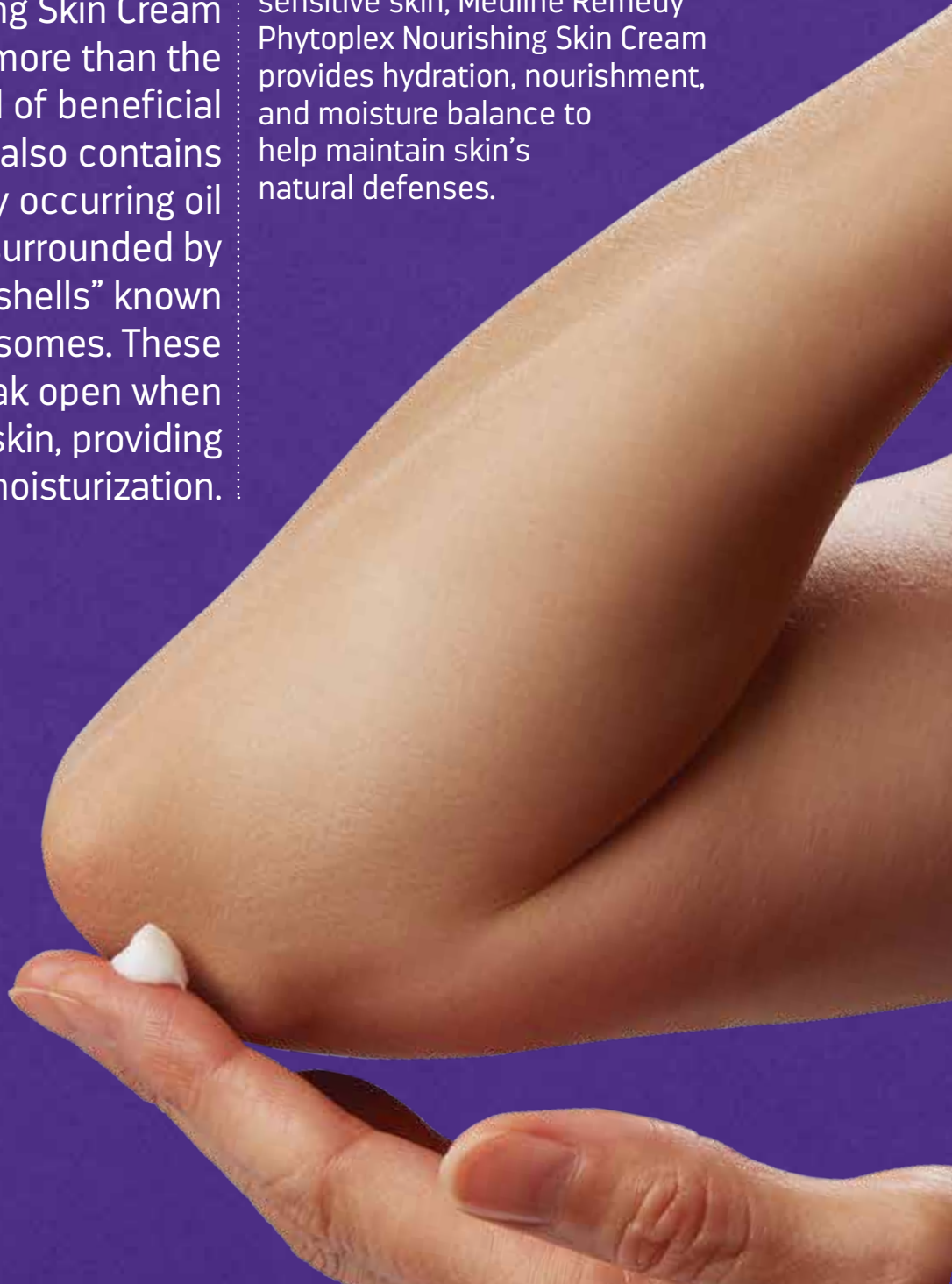
MOISTURIZE



# MOISTURE THAT NOURISHES

Medline Remedy Phytoplex Nourishing Skin Cream provides more than the proprietary blend of beneficial botanicals. It also contains tiny, naturally occurring oil packets surrounded by phospholipid “shells” known as oleosomes. These oleosomes break open when spread on the skin, providing long- lasting moisturization.

For all types of skin, including sensitive skin, Medline Remedy Phytoplex Nourishing Skin Cream provides hydration, nourishment, and moisture balance to help maintain skin’s natural defenses.



# 1

## MAINTAINING MOISTURE & NATURAL OILS

- + Medline Remedy Phytoplex Nourishing Skin Cream contains the proprietary blend of botanicals that work to condition skin and maintain a healthy moisture balance.

It also contains tiny, naturally occurring oil packets surrounded by phospholipid “shells” known as oleosomes. These oleosomes break open when spread on the skin, providing long-lasting moisturization.

# 2

## PROTECTING FROM TRANS EPIDERMAL WATER LOSS

- + Compromised skin allows for greater water loss from damaged or irritated areas. This transepidermal water loss (TEWL) increases risk of further skin breakdown, leading to a higher risk of infection.



Studies have shown that daily use of emollients may reduce visible dermatitis and improve skin integrity.<sup>10</sup>

# 3

## REPLACING MOISTURE LOST WITH AGE

- + One of the most significant changes in aging skin is increased dryness.

This can be attributed to a combination of reduced water content in the uppermost layers of skin, a decrease in intercellular lipids and diminished natural oil production. All these factors are vital elements in maintaining soft, supple, smooth skin. Without proper moisturization as part of a daily skin care regimen, these relatively minor issues may escalate into more serious skin conditions.<sup>19,20</sup>

## The Benefits of Phytoplex Botanicals

- ▶ Santalum Album Extract (Sandalwood), Phellodendron Amurense Bark Extract, Hordeum Distichon Extract (Barley) These are all hydrators.
- ▶ Carthamus Tinctorius (Safflower) Oleosomes Naturally occurring tiny oil packets contained in a phospholipid “shell” extends the release of other ingredients in the formulation.<sup>21</sup>
- ▶ Vanilla Planifolia Fruit Extract Skin moisturizing agent that adds a light natural scent and plant-sourced polyphenols with antioxidant properties.
- ▶ Zea Mays Corn Oil Added for hydration and moisture preservation, it also emulsifies to help keep other ingredients distributed throughout the product.<sup>23</sup>

# 1

## NOURISHING SKIN CREAM

### RESTORING SKIN'S NATURAL MOISTURE BALANCE & BARRIER PROPERTIES

- > Moisturizes with a blend of natural emollients including safflower oleosomes

Formulated without mineral oil or other petrochemicals to remain breathable

Provides long lasting moisturization without leaving a greasy residue

Ideal for use on hands, face and body

Enhanced with Phytoplex, additional botanicals and essential fatty acids

Hypoallergenic, non-irritating, non-sensitizing, latex compatible, pediatrician and dermatologist tested

#### THE SAFFLOWER

provides the botanical source of encapsulated moisturizers in Phytoplex Nourishing Skin Cream.



### SCENTED INGREDIENTS:

Water, Carthamus Tinctorius (Safflower) Seed Oil, Glycerin, Stearic Acid, Cetearyl Alcohol, Dimethicone, Glyceryl Stearate, PEG-100 Stearate, Aphanizomenon Flos-Aquae (Algae Extract), Camellia Sinensis (Green Tea) Leaf Extract, Eugenia Caryophyllus (Clove) Flower Extract, Carthamus Tinctorius (Safflower) Oleosomes, Sodium Hyaluronate, Arginine, Hydrolyzed Soy Protein, Yeast Ferment Extract, Phospholipids, Zea Mays (Corn) Oil, 7-Dehydrocholesterol, Caprylic/Capric Triglyceride, Santalum Album (Sandalwood) Extract, Phellodendron Amurense Bark Extract, Hordeum Distichon (Barley) Extract, Trisodium Ethylenediamine Disuccinate, Tocopheryl Acetate, Citric Acid, Caprylyl Glycol, Ethylhexylglycerin, Hexylene Glycol, Phenoxyethanol, Vanilla Planifolia Fruit Extract, Isopropyl Myristate, Ethylene Brassylate, Methyl Dihydrojasmonate

Add H to the end of the item numbers to order by the each

Dispenser available in Black (REMPUSHBLAC) or White (REMPUSHGRAY)

# MOISTURIZER

## UNSCENTED INGREDIENTS:

Water, Carthamus Tinctorius (Safflower) Seed Oil, Glycerin, Stearic Acid, Cetearyl Alcohol, Dimethicone, Glyceryl Stearate, PEG-100 Stearate, Aphanizomenon Flos-Aquae (Algae Extract), Camellia Sinensis (Green Tea) Leaf Extract, Eugenia Caryophyllus (Clove) Flower Extract,

Carthamus Tinctorius (Safflower) Oleosomes, Sodium Hyaluronate, Arginine, Hydrolyzed Soy Protein, Yeast Ferment Extract, Phospholipids, Zea Mays (Corn) Oil, 7-Dehydrocholesterol, Caprylic/Capric Triglyceride, Santalum Album (Sandalwood) Extract, Phellodendron Amurense Bark Extract,

Hordeum Distichon (Barley) Extract, Trisodium Ethylenediamine Disuccinate, Tocopheryl Acetate, Citric Acid, Caprylyl Glycol, Ethylhexylglycerin, Hexylene Glycol, Phenoxyethanol

## ALSO AVAILABLE:

▶ **SINGLE USE PACKETS**  
MSC092402PACK  
0.13 fl oz (4 mL)  
144/gr

▶ **DISPENSER BAGS**  
MSC092434  
33.8 fl oz (1000mL)  
8/cs

MSC0924002  
2 fl oz (59 mL)  
24/cs

UNSCENTED  
MSC0924002UNS  
2 fl oz (59 mL)  
24/cs

MSC0924004  
4 fl oz (118 mL)  
12/cs

UNSCENTED  
MSC0924004UNS  
4 fl oz (118 mL)  
12/cs

MSC092408  
8 fl oz (236 mL)  
24/cs

MSC092416  
16 fl oz (472 mL)  
12/cs



# 2

## NATURAL LIP BALM\*

### SOOTHES WITH NATURAL OILS & BOTANICALS

- > Composed of all natural oils such as sunflower, soybean and jojoba

Essential Omega 3 and 6 fatty acids provided by shea butter and beeswax

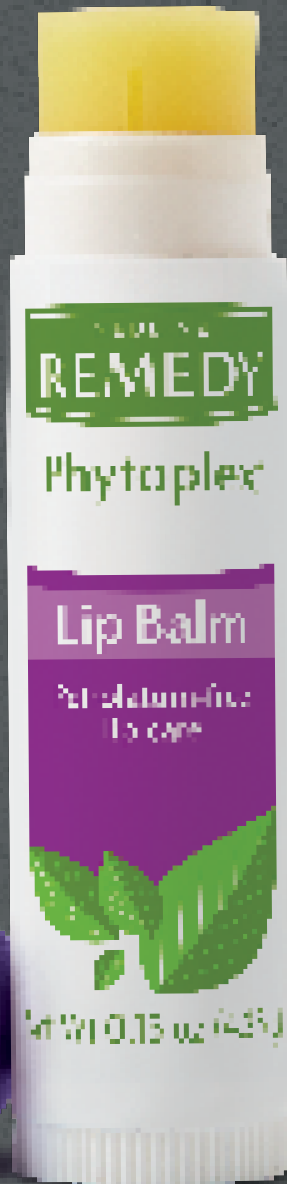
Encapsulated crystals release citrus flavor while menthyl lactate soothes and refreshes lips

Contains no petrochemicals that are hazardous to oxygen-rich environments

Enhanced with proprietary Phytoplex formula and other botanicals

Hypoallergenic, non-irritating, non-sensitizing, pediatrician and dermatologist tested

\*a unique product in the line, containing aloe



### INGREDIENTS:

Helianthus Annuus (Sunflower) Seed Oil, Glycine Soja (Soybean) Oil, Beeswax, Euphorbia Cerifera (Candelilla Wax), Flavor, Cannabis Sativa (Hemp) Seed Oil, Mangifera Indica (Mango) Seed Butter, Limnanthes Alba (Meadowfoam) Seed Oil, Zea Mays (Corn) Starch, Hydrolyzed Corn Starch, Simmondsia Chinensis (Jojoba) Seed Oil, Rosmarinus Officinalis, Aloe Barbadosensis Leaf Extract, Tocopherol, Methyl Diisopropyl Propionamide, Ethyl Mentane Carboxamide, Menthyl Lactate, Lauryl Laurate, Glyceryl Oleate, Butyrospermum Parkii, Chamomilla Recutita (Matricaria), Isomerized Safflower Acid, Palmitoyl Tripeptide-5, Resveratrol, Punica Granatum Oil, Dimethyl Sulfone, Ceramide, Glyceryl Stearate, Glycerin, Sucralose, Sorbitan Monooleate, Aqua,

Add H to the end of the item numbers to order by the each ◀



# LIP MOISTURIZER



sunflower



beeswax



mango seed

## ingredients continued

Butylene Glycol,  
Aphanizomenon  
Flos-Aquae Extract,  
Hydrolyzed Soy Protein,  
Camellia Sinensis Extract,  
Soy Amino Acids, Yeast  
Extract, Eugenia  
Caryophyllus (Clove)  
Flower Extract,  
Phospholipids,  
Cholecalciferol

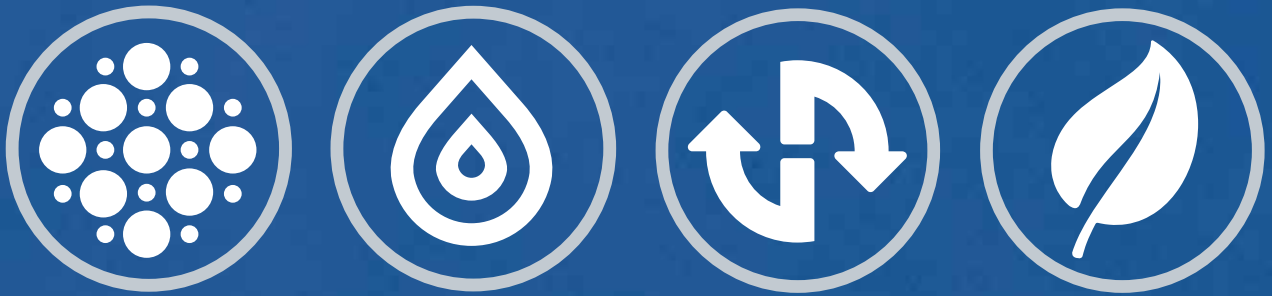


## SOOTHES & MOISTURIZES

Phytoplex Lip Balm is the lip moisturizer made for use on dry lips due to environmental or internal factors. It covers and soothes with gentle ingredients derived from many natural sources like beeswax, sunflowers, mangos and jojoba seeds. Citrus crystals slowly release flavor and, combined with cooling methyl lactate, add a welcome sense of lasting refreshment.

MSC092915  
015 oz (4.25 g)  
36/cs





4-IN-1



# 4 BENEFITS IN EVERY CLOTH

Remedy Phytoplex Barrier Cream Cloths are designed to simplify and standardize incontinence care. Beyond exceptional cleansing, moisturizing and skin protection, each cloth also supplies botanically-sourced Phytoplex® skin nutrients. These are our first cloths that deliver gentle phospholipid cleansers, premium moisturizers, the protection of 3.6% Dimethicone, plus essential skin nourishment, in one step.

Each cloth cleanses, moisturizes, nourishes and protects with each use, helping provide a more consistent level of care for at-risk skin.



# 1

## MEETING THE NEEDS OF CARETAKERS AND PATIENTS

+ These cloths were developed with input from actual caregivers. The result is a cloth that not only drives compliance, but leaves skin feeling soothed, moisturized and protected.



cleanse

moisturize

protect

nourish

# 1

## 4-IN-1 BARRIER CREAM CLOTH

CLEANSES,  
MOISTURIZES,  
PROTECTS, AND  
NOURISHES  
IN ONE STEP

> Soft, thick cloths

pH-balanced formula is rich in premium moisturizers, improves the appearance of dry, itchy skin while providing moisturization

Naturally-sourced phospholipid cleansers are low-sudsing and gentle, with no sulfates which strip skin of natural oils

Proprietary blend of Phytoplex skin nutrition contains proteins, vitamins, antioxidants, essential fatty acids and carbohydrates

3.6% Dimethicone for breathable skin protection

Hypoallergenic, non-irritating, non-sensitizing, pediatrician and dermatologist tested



### SCENTED INGREDIENTS:

Water, Glycerin, Butylene Glycol, Allantoin, Cetyl Alcohol, C14-22 Alcohol, C12-20 Alkyl Glucoside, Cocoglucoside, Coconut Alcohol, Glycine Soya (Soybean) Oil, Helianthus Annuus (Sunflower) Seed Oil, Dimethicone, Hydroxyethyl Acrylate/Sodium Acryloyldimethyl-taurate Copolymer, Isohexadecane, Polysorbate 60, Citric Acid, Hydrolyzed Soy Protein, Yeast Ferment Extract, Zea Mays (Corn) Oil,

Add H to the end of the item numbers to order by the each



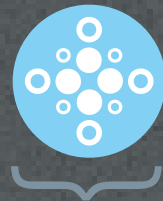
# 3.6% DIMETHICONE

ingredients  
continued

7-Dehydrocholesterol, Caprylic/Capric Triglyceride, Phospholipids, Tocopherol Acetate, Algae Extract, Camellia Sinensis (Green Tea) Extract, Eugenia Caryophyllus (Clove) Flower Extract, Hydrolyzed Soy Protein, Dimethicone, Butyrspermum Parkii (Shea Butter) Extract, Lecithin, Urea, Tocopherol Acetate, Sodium Cocoamphodiace-tate, Vanilla Planifolia Fruit Extract, Isopropyl Myristate, Ethylene Brassylate, Methylhydro-jasmonate, Phenoxyethanol, Ethylhexylglycerin

## UNSCENTED INGREDIENTS:

Water, Glycerin, Butylene Glycol, Allantoin, Cetyl Alcohol (LOR 570), C14-22 Alcohol and C12-20 Alkyl Glucoside, Cocogluco-side and Coconut Alcohol, Glycine Soya (Soybean) Oil, Helianthus Annuus<sup>™</sup> (Sunflower) Seed Oil, 3.6% Dimethicone (active ingredient), Hydroxyethyl Acrylate/Sodium Acryloyldimethyltaurate Copolymer, Isohexadecane, Polysorbate 60, Citric Acid, Hydrolyzed Soy Protein, Yeast Ferment Extract, Zea Mays (Corn) Oil, 7-Dehydro-cholesterol, Caprylic/Capric Triglyceride, Phospholipids, Tocopherol Acetate, Algae Extract, Camellia Sinensis (Green Tea) Extract, Eugenia Caryophyllus (Clove) Flower Extract, Hydrolyzed Soy Protein, Dimethicone, Butyrspermum Parkii (Shea Butter) Extract, Lecithin, Urea, Tocopherol Acetate, Sodium Cocoamphodiace-tate, Phenoxyethanol, Ethylhexylglycerin



Each cloth is  
rich in soothing  
Phytoplex  
botanicals

## THE DANGERS OF INCONTINENCE

Prolonged exposure to moisture can put skin at risk for breakdown. It also makes skin more susceptible to friction damage from wash cloths, briefs, and bedding. And damaged skin brings higher risk for developing other issues such as bacterial and fungal infections and pressure ulcers.

### MSC092508

8 x 8 in. (20 x 20 cm)  
8 cloths/pk  
32 pks/cs

### UNSCENTED MSC092507

8 x 8 in. (20 x 20 cm)  
8 cloths/pk  
32 pks/cs





HYDRAGUARD®





# HYDRAGUARD<sup>®</sup> MOISTURE-RICH BARRIER

Medline Remedy Phytoplex Hydraguard<sup>®</sup> is not only silicone-rich, it has all the benefits of the Phytoplex formula. Hydraguard provides a smooth, breathable film that moisturizes and nourishes skin.

For longer lasting benefits, this product also contains complex naturally-occurring phospholipid “capsules” from safflower plants. As these capsules break open, they provide lasting delivery of natural oils.





# 1

## A CONVENIENT WAY TO MAINTAIN MOISTURE

- ⊕ Hydraguard® contains a 24% silicone blend to help reduce moisture loss. It also offers operational advantages because it can be left at bedside and applied by CNAs.

# 1

## HYDRAGUARD® SILICONE CREAM

CREATES A  
BREATHABLE FILM  
TO MOISTURIZE,  
NOURISH, & RESIST  
MOISTURE LOSS

- > 24% silicone blend helps resist moisture loss

Appropriate for perineal care since it forms a breathable film over skin

Improves the appearance of dry, itchy skin while providing moisturization

Rich in oleosomes: naturally encapsulated safflower oils that release their natural oils over time

Cosmetic formulation allows it to be applied by CNAs and placed bedside

Nourishes skin with the proprietary Phytoplex blend of botanicals

Hypoallergenic, non-irritating, non-sensitizing, pediatrician and dermatologist tested



### SCENTED INGREDIENTS:

Water, Cyclopentasiloxane, Divinyldimethicone/Dimethicone Copolymer, Dimethicone, Dimethiconol, PEG/PPG-18/18 Dimethicone, Lauryl PEG-9 Polydimethylsiloxyethyl Dimethicone, Propanediol, Sodium Chloride, Dimethicone Crosspolymer, Carthamus Tinctorius (Safflower) Oleosomes, Borago Officinalis Seed Oil, Brassica Campestris (Rapeseed) Sterols, Aphanizomenon Flos-Aquae (Algae Extract), Camellia Sinensis (Green Tea) Leaf Extract, Eugenia Caryophyllus (Clove) Flower Extract, Hydrolyzed Soy Protein, Yeast Ferment Extract, Zea Mays (Corn) Oil, Cetylhydroxyproline Palmitamide, Bisabolol, Stearic Acid, Tocopheryl Acetate, Sodium Hyaluronate, Caprylic/Capric Triglyceride, C12-13 Pareth-3, C12-13 Pareth-23, Dipotassium Glycyrrhizate, Hexyldecanol, Glycerin, Phospholipids, 7-Dehydrocholesterol, Phenoxyethanol, Vanilla Planifolia Fruit Extract, Isopropyl Myristate, Ethylene Brassylate, Methylidihydrojasmonate

Add H to the end of the item numbers to order by the each

# 24% SILICONE BLEND

## UNSCENTED INGREDIENTS:

Water, Cyclopentasiloxane, Divinyldimethicone/Dimethicone Copolymer, Dimethicone, Dimethiconol, PEG/PPG-18/18 Dimethicone, Lauryl PEG-9 Polydimethylsiloxyethyl Dimethicone, Propanediol, Sodium Chloride, Dimethicone Crosspolymer, Carthamus Tinctorius (Safflower) Oleosomes, Borago Officinalis Seed Oil, Brassica Campestris (Rapeseed) Sterols, Aphanizomenon Flos-Aquae (Algae Extract), Camellia Sinensis (Green Tea) Leaf Extract, Eugenia Caryophyllus (Clove) Flower Extract, Hydrolyzed Soy Protein, Yeast Ferment Extract, Zea Mays (Corn) Oil, Cetylhydroxyproline Palmitamide, Bisabolol, Stearic Acid, Tocopheryl Acetate, Sodium Hyaluronate, Caprylic/Capric Triglyceride, C12-13 Pareth-3, C12-13 Pareth-23, Dipotassium Glycyrrhizate, Hexyldecanol, Glycerin, Phospholipids, 7-Dehydrocholesterol, Phenoxyethanol



Gentle enough for use on the most fragile skin, suitable for diabetics and geriatrics

## ▶ ALSO AVAILABLE IN SINGLE USE PACKETS:

MSC092534PACK  
0.13 fl oz (4 mL)  
144/gr

MSC092532  
2 fl oz (59 mL)  
24/cs

UNSCENTED  
MSC092532UNSC  
2 fl oz (59 mL)  
24/cs

MSC092534  
4 fl oz (118 mL)  
12/cs

UNSCENTED  
MSC092534UNSC  
4 fl oz (118 mL)  
12/cs





PROTECT



# PROTECTANTS THAT SOOTHE

Medline Remedy Phytoplex skin protectant pastes and ointment are particularly useful in treating and preventing diaper rash caused by wetness, urine and/or stool. A variety of formulations allow a more targeted course of treatment and prevention that provides optimal results for a variety of needs. Regardless of formulation selected, each provides the excellent protective properties of petrolatum, the full regimen of Phytoplex skin support, and other beneficial ingredients.

Medline Remedy's high quality protectants are also used to alleviate the irritation of minor cuts and burns, as well as cracked skin.





# 1

## THE PROTECTIVE PROPERTIES OF PETROLATUM

- + The attributes of petrolatum make it a key part of each product in the Remedy Phytoplex array of protectants. Because petrolatum is insoluble in water and sticks to even macerated skin, it's particularly suited for providing moisture protection in cases of incontinence.



# 1

## Z-GUARD® PROTECTANT PASTE

### CREATING A SUBSTANTIAL LAYER OF NOURISHING PROTECTION

- > White petrolatum-based formulation seals out wetness on intact, irritated or denuded skin

Enhanced with zinc oxide, allantoin, natural oils and Phytoplex

Formulated without menthol that may cause discomfort to some people

Ideal for all ages

Protects minor skin irritation associated with diaper rash

Temporarily protects and helps relieve chapped or cracked skin, minor cuts, scrapes and burns

Hypoallergenic, non-irritating, non-sensitizing, pediatrician and dermatologist tested



### ACTIVE INGREDIENTS:

White Petrolatum 57%  
Zinc Oxide 17%

### INACTIVE INGREDIENTS:

7-dehydrocholesterol, aphanizomenon flos-aquae (algae) extract, camellia sinensis (green tea) leaf extract, caprylic/capric triglycerides, cocos nucifera (coconut) oil, corn starch, dimethicone, ethylene brassylate, eugenia caryophyllus (clove) flower extract, glycerin, hydrolyzed soy protein, isopropyl myristate, manuka honey, methyl dihydrojasmonate, olea europaea (olive) fruit oil, paraffin wax, phospholipids, tocopheryl acetate, vanilla planifolia fruit extract, water, yeast ferment extract, zea mays (corn) oil

Add H to the end of the item numbers to order by the each

# 17% ZINC OXIDE

## ZINC OXIDE 2000 YEARS OF SKIN BENEFITS

Ancient Indian and Greek texts suggest that some form of zinc oxide was used in medicinal salves for a variety of skin conditions. By chance, they had stumbled on a substance that was highly insoluble in water and could be beneficial to skin compromised by internal or external factors. Today, high quality, refined zinc oxide is used to provide these benefits to many skincare products, including Phytoplex Z-Guard protectant paste.<sup>24</sup>



**57%**  
white  
petrolatum

MSC092542  
2 oz (57 g)  
24/cs

MSC092544  
4 oz (113 g)  
12/cs

### ▶ ALSO AVAILABLE IN SINGLE USE PACKETS

MSC092544PACK  
013 oz (4 g)  
144/gr



# 2

## CALAZIME® PROTECTANT PASTE

### THICK PROTECTANT PASTE WITH CALAMINE AND MENTHOL

- > High-viscosity petrolatum paste for lasting, semi-breathable barrier protection

Natural oils, micronized zinc and Phytoplex formula provide smooth consistency for ease of application and removal

Calamine added to help dry light exudate

Contains menthol to help provide temporary relief of skin discomfort and itching

Hypoallergenic, non-irritating and non-sensitizing



### ACTIVE INGREDIENTS:

Menthol 0.45%  
White Petrolatum 42%  
Zinc Oxide 20.6%

### INACTIVE INGREDIENTS:

7-dehydrocholesterol, algae extract (aphanizomenon flos-aquae), beeswax, calamine, camellia sinensis (green tea) leaf extract, caprylic/capric triglycerides carthamus tinctorius (safflower) seed oil, cocos nucifera (coconut) oil, eugenia caryophyllus (clove) flower extract, glycerin, hydrolyzed soy protein, manuka honey, olea europaea (olive) oil, phenoxyethanol, phospholipids, polyglyceryl-4 isostearate, sodium bicarbonate, sodium borate, tocopherol acetate, water, yeast ferment extract, zeamays (corn) oil

Add H to the end of the item numbers to order by the each

# COOLING MENTHOL

## AN APPEALING OPTION FOR MANY PEOPLE

Although menthol may cause discomfort to some individuals, many find that the cooling sensation is a positive addition to their skin care regimen. This product was specifically created to provide this benefit to patients and residents. Calazime also contains calamine to help dry light exudate, as well as the added skin support found in each Phytoplex product.



**0.45%**  
menthol



**42%**  
white  
petrolatum



**20.6%**  
zinc  
oxide

MSC092552  
2 oz (57 g)  
24/cs

MSC092554  
4 oz (113 g)  
12/cs

▶ ALSO AVAILABLE IN  
SINGLE USE PACKETS

MSC092554PACK  
013 oz (4 g)  
144/gr



# 3

## CLEAR-AID™ OINTMENT

### ALLOWS IMMEDIATE VISUAL MONITORING OF SKIN

- > White petrolatum-based ointment enhanced with natural oils, 10% zinc oxide and Phytoplex formulation

Helps seal out wetness and relieve chapped or cracked skin, minor cuts, scrapes and burns

Adheres well to wet skin with exudate

Applies clear for ease of inspecting condition of skin

Ideal for all ages

Hypoallergenic, non-irritating and non-sensitizing



### ACTIVE INGREDIENTS:

White Petrolatum 71.5%  
Zinc Oxide 1%

### INACTIVE INGREDIENTS:

7-dehydrocholesterol, Aphanizomemnon flos-aquae (algae) extract, camellia sinensis (green tea) leaf extract, caprylic/capric triglycerides, corn starch, dimethicone, eugenia caryophyllus (clove) flower extract, glycerin, guar gum, hydrolyzed soy protein, manuka honey, phospholipids, tocopherol acetate, water, yeast ferment extract, zeamays (corn) oil

Add H to the end of the item numbers to order by the each

# TRANSPARENT FORMULA

## INSPECT SKIN WITHOUT AGGRAVATING IT

The opacity of most skin protectants makes it difficult to monitor changing skin condition without the irritation of cleaning off the protectant layer. Clear-Aid Ointment provides dependable, lasting wetness protection and the benefits of the Phytoplex skin care complex in a transparent formula that allows easy visual inspection.



High level protection that is **TRANSPARENT** when applied

MSC092502  
2.5 oz (71 g)  
24/cs



**71.5%**  
white  
petrolatum



**1%**  
zinc  
oxide





TREAT





# TREATMENTS THAT SUPPORT SKIN

For treatment of superficial topical mycoses, or skin infections caused by fungal organisms, Medline Remedy Phytoplex Antifungal clear ointment and powder both use miconazole nitrate 2.0%. It works by disrupting the organism's membrane structure and function to inhibit fungal growth.<sup>25</sup>

Phytoplex Antifungal Treatment products are not only designed to treat common fungal infections, they provide the benefits of Phytoplex botanicals as well.



# 1

## ANTIFUNGAL TREATMENT

- + Miconazole Nitrate is an ingredient with proven efficacy for treating ringworm (tinea corporis), athlete's foot (tinea pedis) and jock itch (tinea cruris), as well as superficial skin infections caused by yeast (Candida albicans).



# 1

## ANTIFUNGAL OINTMENT & POWDER

### PROVIDING TREATMENT & RELIEF FOR COMMON FUNGAL INFECTIONS

- > Helps relieve itching, cracking, scaling and discomfort associated with most common superficial fungal infections

Relieves burning, redness, soreness, irritation, and chafing associated with jock itch

Ointment uses petrolatum base with carboxymethyl cellulose (CMC) to help adhere to wet or damp skin

Powder form is talc-free and stays in place for extended periods of time. Recommended for skin folds and feet

Ideal for children over 2 years to geriatrics

Hypoallergenic, non-irritating, non-sensitizing, and dermatologist tested



### ANTIFUNGAL OINTMENT

**ACTIVE INGREDIENT:**  
Miconazole Nitrate 2%

**INACTIVE INGREDIENTS:**  
Aphanizomenon  
Flos-Aquae (Algae) Extract,  
Camellia Sinensis (Green Tea) Extract, Carboxymethyl Cellulose, Carthamus Tinctorius (Safflower) Seed Oil, Dimethicone, Eugenia Caryophyllus (Clove) Flower Extract, Glycine Soja (Soybean) Oil, Olea Europaea Fruit (Olive) Oil, Petrolatum, Zea Mays (Corn) Oil

Add H to the end of the item numbers to order by the each ◀

2%

# MICONAZOLE NITRATE

## ANTIFUNGAL POWDER

### ACTIVE INGREDIENT:

Miconazole Nitrate 2%

### INACTIVE INGREDIENTS:

Aphanizomenon Flos-Algae Extract, Camellia Sinensis (Green Tea) Leaf Extract, Caprylic/Capric Triglyceride, 7-Dehydrocholesterol, Dipotassium Glycyrrhizate, Ethylene Brassylate, Eugenia Caryophyllus (Clove) Flower Extract, Glycerin, Hydrolyzed Soy Protein, Isopropyl Myristate, Methylhydrojasmonate Phospholipids, Silica, Sodium Benzoate, Tapioca Starch, Tocopheryl Acetate, Vanilla Planifolia Fruit Extract, Water, Yeast Ferment Extract, Zea Mays (Corn) Oil, Zea Mays (Corn) Starch



Treats most common superficial fungal infections including:

- ⊕ ATHLETE'S FOOT
- ⊕ JOCK ITCH
- ⊕ RINGWORM
- ⊕ SUPERFICIAL SKIN INFECTIONS CAUSED BY YEAST

MSC092603  
3 oz (85 g)  
12/cs

MSC092625  
2.5 oz (71 g)  
12/cs



# THE SCIENCE



MEDLINE  
**REMEDY**

**Phytoplex**  
Botanical Nutrition  
For Sensitive Skin

**Hydraguard  
Silicone Cream**

Provides a smooth,  
breathable film that  
moisturizes & nourishes.  
CHG Compatible  
Fragrance Free  
Paraben Free  
Hypoallergenic  
Pediatrician Tested  
For All Ages



2 fl oz (59 mL)

MEDLINE  
**REMEDY**

**Phytoplex**  
Botanical Nutrition  
For Sensitive Skin

**Moisturizer  
Nourishing  
Skin Cream**

Hydrates while  
maintaining skin's natural  
moisture balance.  
CHG Compatible  
Paraben Free  
Hypoallergenic  
Pediatrician Tested  
For All Ages



2 fl oz (59 mL)

MEDLINE  
**REMEDY**

**Phytoplex**  
Botanical Nutrition  
For Sensitive Skin

**Treatment  
Antifungal  
Ointment**

Helps treat & relieve  
itching & burning associated  
with a fungal infection.  
CHG Compatible  
Paraben Free  
Hypoallergenic



Net Wt 2.5 oz (71 g)

# THE SCIENCE SUPPORTING PHYTOPLEX FORMULATIONS

Case studies have only scratched the surface in revealing the beneficial results derived with a regimen of Phytoplex products. Thus far, our initial investigations on subjects with sensitive skin issues have already revealed impressively positive outcomes.



Medline Remedy  
Phytoplex provided  
higher degrees of skin  
moisturization compared  
to similar products





# 1 A LABORATORY COMPARISON OF MOISTURIZATION

**Objective:**  
Measure performance of comparable regimens of cleansers and moisturizers.

**Results:**  
A regimen of Phytoplex cleansers and moisturizers produced higher, statistically significant, levels of moisturization (as measured by skin capacitance) compared to competitive regimens. The results and product combinations are shown below.



**PHYTOPLEX**  
(Phytoplex Hydrating Shampoo and Body Wash, Phytoplex Nourishing Skin Cream)

**SYSTEM 2**  
(Convatec® Aloe Vesta® 2-N-1 Body Wash And Shampoo, Aloe Vesta Skin Conditioner)

**SYSTEM 3**  
(Coloplast® Gentle Rain® Extra Mild Moisturizing Body Wash with Coloplast Moisture Barrier Cream)

**+**  
The Phytoplex combination of a sulfate-free cleanser with a moisturizer led to significantly higher hydration levels of the skin as measured by capacitance.

# 2 TESTED FOR GENTLENESS IN ADULTS\*

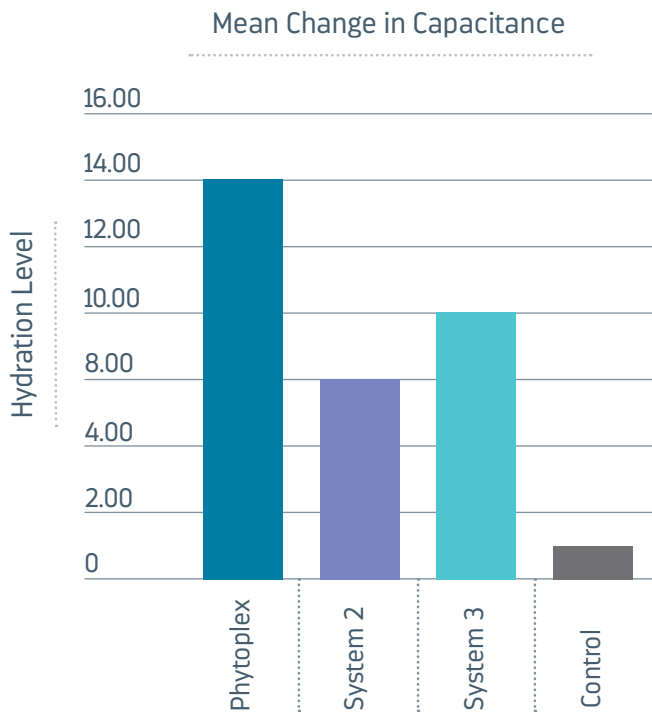
In a series of repeat insult patch testing (RIPT) on 50 adults for 10 -14 days, a regimen of Phytoplex Hydrating Foam Cleanser, Phytoplex Nourishing Skin Cream and Phytoplex HydraGuard Skin Cream elicited no adverse skin reactions.

# 3 TESTED FOR GENTLENESS IN CHILDREN\*

A pediatric population was exposed to Phytoplex Hydrating Cleansing Foam and Phytoplex Nourishing Skin Cream daily for 4 weeks. It demonstrated no potential to elicit dermal irritation on arms, legs, torso or back on 35 subjects and no clinically significant evidence of increases in erythema, edema or dryness was observed after two and four weeks.



\* Data on file, available on request



# 1

## CASE STUDY

### The use of a topical hypoallergenic skin protectant\* in the management of acute eczema in patients with venous leg ulcers

#### INTRODUCTION

Skin protectants are often used to moisturize the dry skin of venous ulcer patients. Acute eczema (a dermatological condition associated with venous hypertension) can be exacerbated by using ointments formulated with potential irritants. The product evaluated in this small case study is formulated to be gentle and non-irritating upon application.

#### OBJECTIVES

To evaluate the use of a topical hypoallergenic skin protective ointment in the skin care management of patients with venous insufficiency.

#### METHODS

A convenience sample of a group of four patients (each being treated with multilayer compression related to venous leg ulcers) was treated with a topical hypoallergenic skin protectant ointment\*. Data on the condition of the skin as well as

measurements of periwound maceration based on a scale adapted from previous publications was gathered for the overall evaluation of the skin tissue.

#### RESULTS

In this small, single arm, non-controlled study, the use of a topical hypoallergenic protective ointment on four venous etiology patients did not exacerbate symptoms associated with acute venous eczema, namely redness, itching, burning, or excoriation.

#### REFERENCES

1. Cameron J. Exudate and care of the peri-wound skin. *Nurs Stand* 2004;19(7):62-6.
2. Cameron J. Dermatological changes associated with venous ulcers. *Wound Essentials* 2007;2:60-6.

\* Medline Remedy® with Phytoplex® Z-Guard®. Medline Remedy, Phytoplex and Z-Guard are registered trademarks of Medline Industries, Inc.

\*\* Type 1 compression, Profore®. Profore is a registered trademark of Smith & Nephew Ltd Corporation.

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\*Data on file,  
available on request

# TABLE 1

Date	Periwound Condition	Product Used	Compression	Wound Size
<b>Patient 1</b>				
A 63 y/o male with venous disease and lymphedema, presented with a VLU to the right lateral leg; prior to treatment included zinc barrier cream.				
8-26-13	Erythema	Zinc based Cream	Type 1**	9.0 x 3 x 01
8-29-13	Erythema	RPZG	Type 1	6.0 x 6.0 x 01
9-3-13	No Erythema	RPZG	Type 1	4.0 x 3.5 x 01
9-9-13	No Erythema	RPZG	Type 1	Not Measured
<b>Patient 2</b>				
A 61 y/o male initially presents with VLU on the right lower leg.				
10-26-13	Erythema	RPZG	Type 1**	2.2 x 1.4 x 01
10-10-13	No Erythema	RPZG	Type 1**	Not Measured
10-17-13	No Erythema	RPZG	Type 1**	1.0 x 0.5 x 01
<b>Patient 3</b>				
A 68 y/o male initially presents with VLU on the left lateral ankle.				
7-19-13	Erythema	RPZG	Type 1**	71 x 70 x 0.2
7-26-13	Erythema	RPZG	Type 1**	7.4 x 6.5 x 0.2
8-9-13	No Erythema	RPZG	Type 1**	7.0 x 5.4 x 0.2
<b>Patient 4</b>				
A 68 y/o male initially presents with Lymphedema and a VLU on the right lower extremity.				
8-2-13	Erythema and Excoriation	RPZG	Type 1**	No Wound Per Se
9-16-13	Erythema and Excoriation	RPZG	Type 1**	No Wound Per Se

## PATIENT 4

Before - 8-22-13



Photo 1: Patient 4

After - 9-16-13



Photo 2: Patient 4

# 2

## CASE STUDY

### The use of a micronutrient containing skin care regimen in managing periwound skin condition seen in a wound center population

#### INTRODUCTION

The health of periwound skin is intimately connected with the healing of the wound and the general health of the patient. Tenderness, pain, and burning in the periwound with visible erythema and either weeping or dry/scaly skin is common. Damaged periwound skin may also provide a locus for new areas of ulcer formation.

#### OBJECTIVES

This sample study sought to evaluate the effects of a new cleanser and skin protectant barrier on skin with poor health around venous ulcers.

#### METHODS

A convenience sample of twelve patients was used to measure changes in skin condition during skin management with a cleansing spray<sup>(1)</sup> followed by a skin protectant paste<sup>(2)</sup>. Each of these patients had periwound skin that was

in poor health. The periwound area was cleansed and barrier was applied on the skin ("The Periwound Protocol") before compression treatment during each visit to the wound center. The skin protectant contains white petrolatum and zinc oxide as active ingredients.

Skin health was monitored via photography and via patient records.

#### DISCUSSION

In each patient, improvement in skin condition was seen in the first week of the study. Further comparative studies are warranted.

#### REFERENCES

1. The Moisturizing Ability of Remedy with Phytoplex Cleanser/Moisturizing, data on file.
2. The Safety of the Phytoplex range of products on an Adult Population via the Repeat Insult Patch Testing Method (RIPT) method, data on file.
3. Visscher M, Davis J, Wickett R. Effect of topical treatments on irritant hand dermatitis in health care workers (HCWs). *Am J Infect Control* 2009 Dec;37(10):842.e1-842.e11.
4. Shannon RJ, Coombs M, Chakravarthy, D. Reducing hospital-acquired pressure ulcers with a silicone-based dermal nourishing emollient-associated skincare regimen. *Adv Skin Wound Care* 2009; 22:461-7.
5. Shannon RJ, Chakravarthy D, Fleck C, Groom M: An evaluation of the costs and effects of a nutrient-based skin care program for prevention of skin tears in an extended convalescent center. *J Wound Ostomy and Continence Nursing*, 2010; 37 (1): 36-51.
6. Hunter SM, Langemo D, Thompson P, Hanson D, Anderson J, Oh IE, Paulson R, Rustvang D, Dorman S, Roth DL. Observations of Periwound Skin Protection in Venous Ulcers: A Comparison of Treatments. *ADV SKIN WOUND CARE* 2013;26:62-66.

Medline Remedy® with Phytoplex® Hydrating Spray Cleanser and Z-Guard® Skin Protectant Paste. Medline Remedy, Phytoplex and Z-Guard are registered trademarks of Medline Industries, Inc. Mundelein, IL.

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\* Data on file,  
available on request

JC is a 48 y/o male who presents with a history of stasis ulceration and venous stasis dermatitis. The wound was treated with antimicrobial dressings and compression and the periwound protocol was initiated.

MN is an 84 y/o female with history of venous stasis dermatitis and venous ulceration. The wound was treated with collagen and compression, the periwound protocol was initiated.

RI is a 75 y/o female with history of venous stasis dermatitis, and mild periwound cellulitis with edema. Her periwound was treated with the periwound protocol and the wound was treated with antimicrobial silver dressings with compression.

CP is an 80 y/o female with a history of venous insufficiency, presents with chronic ulcers which were biopsied and found to have no evidence of malignancy. She was treated with the periwound protocol, wound care dressings and with mild compression.

AC is a 53 y/o male with a history of venous insufficiency and stasis ulcer of the left lower extremity. The periwound skin was treated with cleanser, zinc oxide ointment. The ulcer itself was treated with collagen and compression garments.

CB is a 65 y/o male with a history of pseudo Kaposi's Sarcoma who presented on 3/5/12. He was treated with collagen to the wound bed and the periwound protocol as well as compression.



BF is a 54 y/o female with venous insufficiency who was recently hospitalized with cellulitis and a venous stasis ulcer. She was treated with the periwound protocol, standard wound dressings and compression.

EN is an 82 y/o female with a history of venous insufficiency and peripheral arterial disease presented with a posterior stasis wound with heavy exudate. It was initially treated with the periwound protocol, which resolved the denuded area. However, due to the extremely heavy exudate the posterior tissue remained denuded until better exudate control dressings were used.

SV is a 61 y/o female with a history of diabetes, coronary arterial disease, venous insufficiency who presents with multiple wounds to bilateral lower extremities Coumadin levels required hospitalization to regulate. She was treated with the periwound protocol. The ulcers were covered with basic wound care and compression.

CE is an 84 y/o female with a history of chronic venous insufficiency and sensitive skin. After other periwound treatments failed, the periwound protocol was initiated; standard wound care and compression provided. Additionally, patient underwent endovenous ligation.



AM is a 67 y/o female who was hospitalized with cellulitis to the right lower extremity from a traumatic wound. Past medical history includes obesity and venous insufficiency. The wound was highly exudative and treated with advanced wound dressings. The periwound was treated with standard protocol.

# 3

## CASE STUDY

### The use of a micronutrient containing moisturizing lotion to promote skin health in patients undergoing radiation treatment for breast cancer

#### INTRODUCTION

Radiation therapy used to kill malignant cells as part of an overall treatment of breast cancer may often damage healthy tissue, including skin. In some patients, skin damage may escalate from dry, to moist desquamation and eventually to ulceration with tissue necrosis. Over the days and weeks of radiation therapy, it is not unusual for treatment to be interrupted due to skin damage. Some evidence-based product therapies, for example, those based on hyaluronic acid, do exist for prophylaxis, but these are expensive and not always affordable by the patients in some facilities.

#### OBJECTIVE

Identify the potential benefits of a micronutrient based moisturizing lotion to moisturize dry skin during a course of high energy radiation treatments.

#### METHODOLOGY

A case study was created using five breast cancer patients undergoing radiation therapy. The patients were provided with instructions to apply the skincare product in the morning, afternoon and evening during the course of radiation therapy. The patients came in for radiation on weekdays only per standard protocol. The second application of the skincare product was performed by the radiation technologist post radiation. Patients were told to shower just prior to radiation to eliminate skincare product from skin at the radiation site. No soap was used. The radiation technologist monitored skin condition daily during therapy and, with the radiation oncologist, determined whether treatment needed to be interrupted.

#### REFERENCES

1. Pinnix C; Perkins GH; Strom EA; TereffeW; Woodward W; Oh JL; Arriaga L. et al. Topical hyaluronic acid vs standard of care for their prevention of radiation dermatitis after adjuvant radiotherapy for breast cancer: Single-blind randomized phase 111 clinical trial. International Journal of Radiation Oncology 83(4) 1089-94 2011.
2. Wickline MM; Prevention and treatment of acute radiation dermatitis: A literature review. Oncology Nursing Forum 2004 31 (2) 237-47.

\* Medline Remedy® Phytoplex® Nourishing Skin cream. Medline Remedy and Phytoplex are registered trademarks of Medline Industries, Inc.

Product E = Elta® is a registered trademark of Swiss American Products, Inc.

Product R = RadiaPlex® is a registered trademark of MPM Medical Inc. is a wholly owned subsidiary of RBC Life Sciences, Inc.

Product A = Aquafor is a registered trademark of Beiersdorf Aktiengesellschaft Corporation

Nancy Chaiken  
ANP-C, MS,  
CWOCN

Swedish  
Covenant Hospital  
Chicago, Illinois

\* Data on file,  
available on request

# TABLE 1

Initials	Age	Race	Product Used	# of tx	# of days	Skin Reactions	Interruptions
PB	76	W	Product E	33	39	Erythema "cream" ordered	N
YR	55	W	Product R	33	48	Redness	N
JL	58	W	Product E	33	43	Erythema	N
SK	55	W	Product E	33	53	Mild erythema	N
DK	78	W	Product E	33	45	Erythema	Y
NN	65	W	Product E	33	54	Erythema and tenderness	N
DH	62	W	Product A	33	47	Severe erythema	Y
DC	58	W	Product E	33	56	Severe erythema	Y
CB	72	W	Product E	31	54	Severe erythema	Y
DS	49	H	Product E	33	42	Severe erythema	Y
POST			POST				
PM	61	W	Micronutrient	30	50	"Brisk skin reaction"	N
NK	66	A/In	Micronutrient	33	52	Edema	N
NS	56	H	Micronutrient			"Brisk skin reaction"	N
MB	54	H	Micronutrient	33	48	"Brisk skin reaction"	N
ML	61	A	Micronutrient	16	21	None	N

## Comments

Stopped treatments 5 days early due to skin reactions

15 days rest

Stopped treatments with 2 remaining

15 days rest

## RESULTS

From this sample, no treatments were interrupted due to skin problems during the use of the micronutrient based moisturizing lotion.

## Typical Pictures of Skin Inflammation



# 4

## CASE STUDY

### A survey examining the effects of a comprehensive, unified selection of skincare products

#### INTRODUCTION

A major hospital system was using 13 different products from a range of vendors to facilitate prevention of skin infections and breakdown. The system initiated a quality improvement project in nine nursing units across six of their hospitals. Two vendors supplied unified skincare lines for use in the study.

#### OBJECTIVES

To measure the satisfaction and preference levels of practitioners on the new product lines, as well as the previous product assortment.

#### RESULTS

The survey showed little in the way of statistically significant differences between the two product lines in 5 of the 7 categories. However, Product Line A was rated significantly higher than B in two key attributes: Removal Ease and Moisturization. After analyzing the results of

the survey and studying cost implications, the hospital group decided to switch to Product Line A, comprised of a comprehensive line of Phytoplex skincare products. By doing so, the system reduced product selection from 13 product to 7, reducing costs and inventory, and simplifying product selection for staff.



Staff was significantly more satisfied with both **removal ease & moisturization** provided by Phytoplex

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\* Data on file,  
available on request

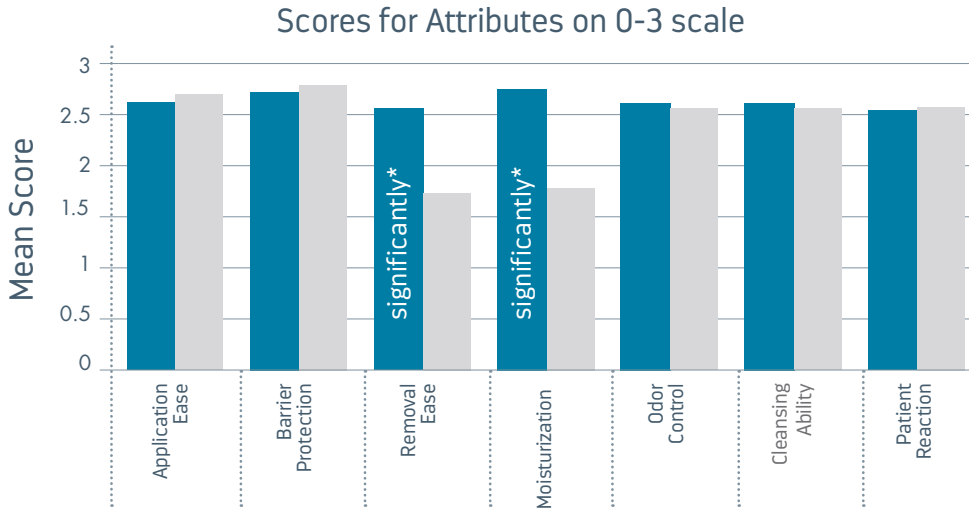
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# GRAPH 1

SURVEY MEASURED STAFF SATISFACTION BASED ON 7 PRODUCT ATTRIBUTES



## SURVEY ANALYSIS

- ▶ Health care providers were more satisfied with Product Line A in four of the seven categories from the survey.
- ▶ Health care providers were **\*significantly** more satisfied with Product Line A in two of the seven categories from the survey.
- ▶ Health care providers were less satisfied with Product Line A in three of the seven categories but these differences were not statistically significant.
- ▶ Free text comments about Product Line A included appreciation for the color coding of the educational materials and the products themselves, making it easy to identify products for particular clinical use.

## CONSIDERATIONS

Simplification of product selection and the color-coding of products and educational materials were also mentioned as important factors in the selection of the Phytoplex product line.

The hospital system also felt that a simplified, unified product line could lead to greater consistency of care.

It should be noted that including staff in the product selection process may have reduced resistance to changing product lines.

## PRODUCT LINES FOR GRAPH 1&2

PRODUCT LINE A

Remedy Phytoplex Hydrating Cleansers, Nourishing Skin Cream, HydraGuard and Z-Guard Creams, and Antifungal Ointment and Powder

PRODUCT LINE B

Competitor product line

PREVIOUS

Assortment of 13 products from various vendors

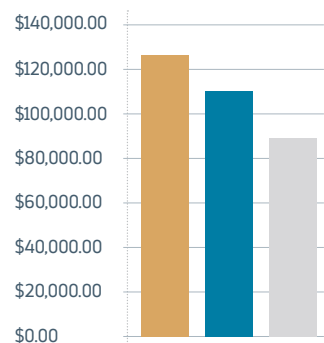


Expected cost savings for the first year were estimated at

**\$40,000**

## GRAPH 2

Annual cost of previous skin care products compared with two comprehensive and unified skin care lines



# 5

## CASE STUDY

### A Single-Center Evaluation of a Dermal Management Product Suite to Prevent Pressure Ulcers and Skin Tears.

#### INTRODUCTION

Skin breakdown and injury has major implications on the cost of care, patient morbidity and mortality. A system which would reduce skin tear and pressure ulcer incidence could improve care and costs.<sup>(1)</sup>

#### OBJECTIVES

To evaluate the impact of a new dermal management suite of products<sup>(2)</sup> on hospital acquired pressure ulcer (HAPU) and skin tears.

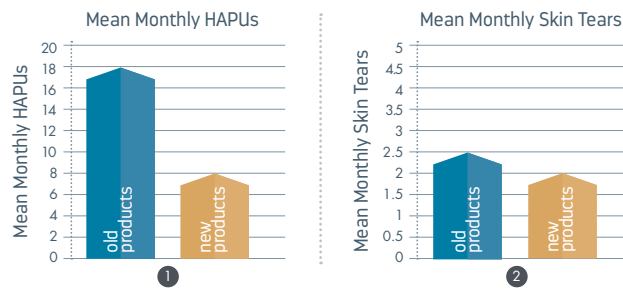
#### METHODS

During this 5-month retrospective and 3-month prospective study, information was obtained from all patients (18+) admitted to a skilled nursing facility observation period and used to establish a baseline on all HAPU and skin tear occurrences. A 3-month period with a new suite of products was then tested using the same reporting criteria.

#### RESULTS

During the 5-month baseline period, data from 204 patients showed 61 HAPU's and 12 skin tears. During the 3-month product evaluation period, 189 patients showed 14 HAPU's and 6 skin tears. A comparison of the monthly mean is shown in the graphs below.<sup>(3)</sup>

#### GRAPHS 1 & 2



- ▶ **GRAPH 1:** Mean monthly number of hospital acquired pressure ulcers (HAPU) before and after the switch to new products.
- ▶ **GRAPH 2:** Mean monthly number of skin tears before and after the switch to new products.

#### CONSIDERATIONS

Beyond the study results, post-study implementation of the new skin care regimen showed a 62% reduction in HAPU's. Additionally, though there was no statistical difference during the study period, skin tears were reduced by almost 17% after the new regimen was adopted.

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1. Brem H, Maggi J, Nierman D, et al. High cost of stage IV pressure ulcers. *Am J Surg.* 2010;200(4):473-477.
2. Product used in study were Remedy Phytoplex Hydrating Cleansing Gel, Nourishing Skin Cream, HydraGuard Skin Cream and Z-Guard Protective Paste. FitRight Plus disposable briefs and Marathon cyanoacrylate skin protectant were also used in the test regimen.
3. Data on file



The new skin care regimen showed a **reduction in HAPU's**



**Reduction of skin tears** after the new regimen was adopted

# 6

## LAB STUDY

### An Evaluation and Comparison of Skin Protectant Cleansing Cloth Performance

#### INTRODUCTION

In an effort to increase efficiency and consistency of incontinence care, there has been increased interest in, and use of, multi-purpose cleansing cloths.

#### OBJECTIVES

Perform a study to quantify and compare the cleaning properties of the two leading multi-purpose cloths.<sup>1</sup>

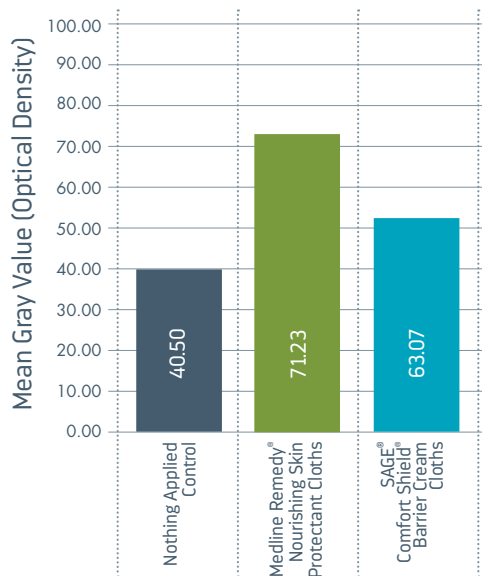
#### METHODS

Abdominal-Ventral swine skin flaps, used in similar skin product studies<sup>(1,2)</sup>, were chosen for this in-vitro test. Each was given a 5 cm test strip line using a black chisel marker, then wiped 4 times with a cloth. Afterwards, each site was digitally scanned and processed to quantify cleansing performance as a Mean Gray Value (average gray area in each test section).

#### RESULTS

As the graph below shows, the results suggest Medline Remedy Phytoplex Cloth were significantly ( $p < 0.05$ ) better in cleansing the marker ink.

**GRAPH 1**  
AN EVALUATION & COMPARISON OF SKIN PROTECTANT CLEANSING CLOTH PERFORMANCE



#### REFERENCES

1. Tested products were Remedy Phytoplex Nourishing Skin Protectant Cloths and Sage(R) Comfort Shield(R) Barrier Cream Cloths.
2. Thomas, S., "Effect of skin protectants on dye uptake", Data on file.
3. Perry, et.al., "Evaluation of Skin Protectant Barrier Performance; a comparison of various commercially available products", August 2014. Data on file.

















Remedy Phytoplex skin protectant cloths **performed significantly better** over the leading competitive barrier cream cloths

#### + ● ● ● ● CONSIDERATIONS

Many facilities have found that the use of incontinence cloths with added skin benefits help facilitate care and compliance by eliminating additional steps.

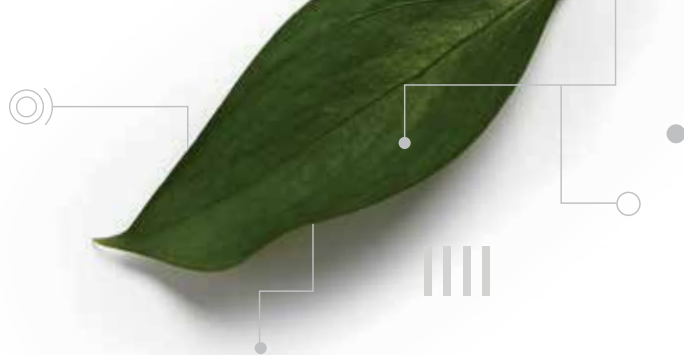
# REMEDY SELECTION GUIDE

(for information purposes only)

PRODUCT	DESCRIPTION	 Normal Intact Skin	 Moderate to Severely Dry Skin	 Incontinence Associated Dermatitis	 Denuded Skin	 Macerated Wet Skin	 Common Fungal
 HYDRATING CLEANSING GEL	Low sudsing shampoo & body wash for use in the shower or diluted for no-rinse bedside cleansing	●	●	●	●	●	●
 HYDRATING CLEANSING FOAM & SPRAY	No-rinse foaming & spray cleanser for use on hair, face & entire body	●	●	●	●	●	●
 NOURISHING SKIN CREAM	Soothing moisturizer helps restore skin's natural moisture balance and barrier properties	●	●				
 LIP BALM	Natural lip moisturizer that soothes	●	●				
 4-IN-1 BARRIER CREAM CLOTH	Soft cloth that cleanses, moisturizes, protects and nourishes	●	●	●			
 HYDRAGUARD <sup>®</sup> SILICONE CREAM	Silicone-rich formulation provides a smooth, breathable film that moisturizes and nourishes	●	●	●			
 SKIN PROTECTANTS & OINTMENTS	Helps relieve symptoms associated with diaper rash and helps seal out wetness		●	●	●	●	
 ANTIFUNGAL CLEAR OINTMENT & POWDER	Effective topical treatments for common fungal infections						●

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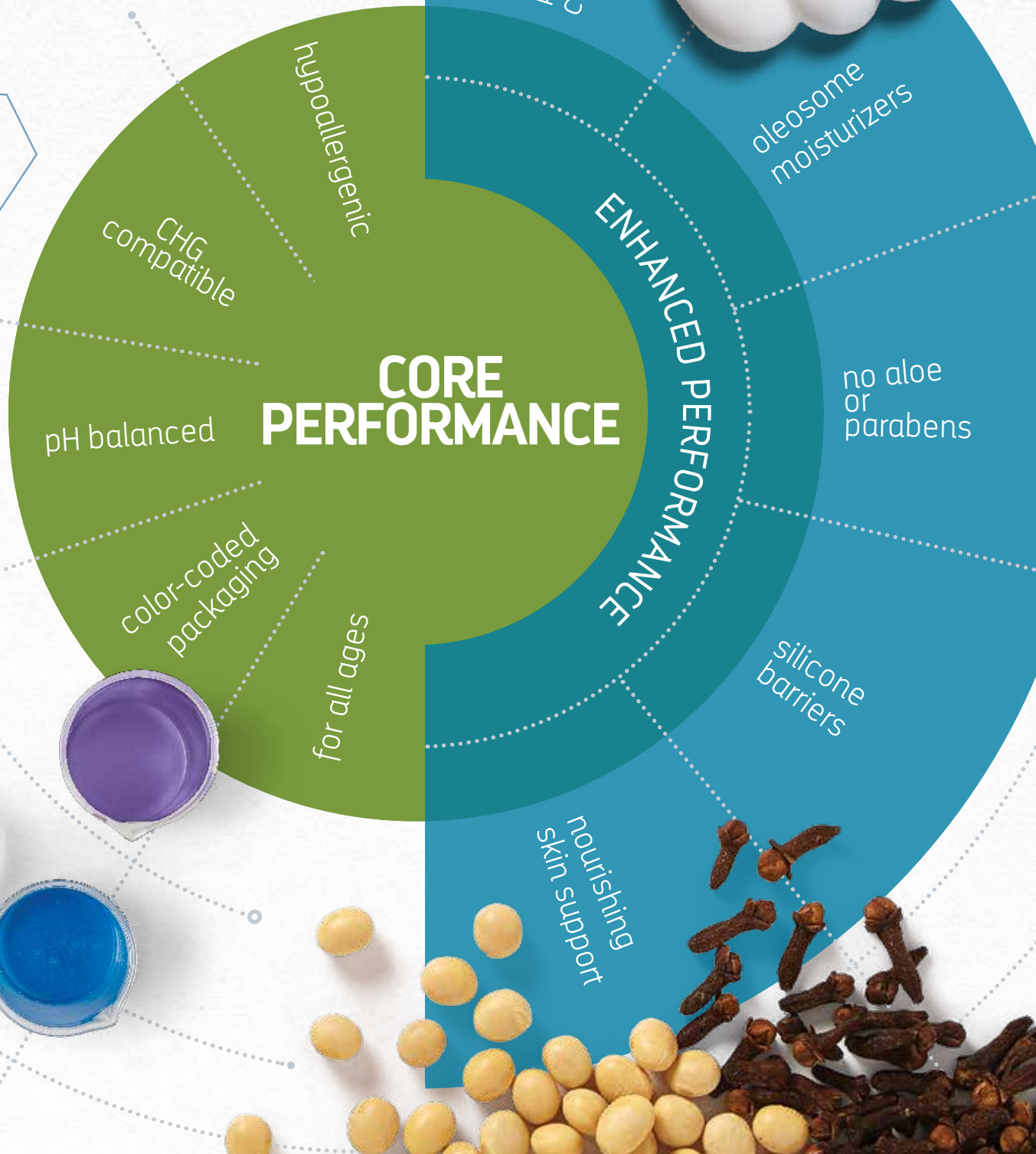
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