

EXHIBIT B

(Application Serial No. 87015660)

PROSPECTOR®

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Dipotassium Glycyrrhizinate

INCI Name: Dipotassium Glycyrrhizate

Company: Sandream Impact

Dipotassium Glycyrrhizinate is a dipotassium salt of Glycyrrhizic Acid. It can be used as a flavoring agent and a skin conditioning agent with anti-allergic and anti-inflammatory properties. It can inhibit the leuco triene and reduce histamine. It has been widely used in the dermatological medicine in topical applications. This is a non-GMO product.

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Documents

Datasheet

Dipotassium Glycyrrhizinate Datasheet

Brochure

Highlight of Active Cosmetic Ingredients

MSDS / SDS

MSDS / SDS

Company

Sandream Impact manufactures innovative cosmetic actives and pigments for Personal Care and Cosmetics. Sandream's cosmetic actives include UV absorbers, preservatives, disinfectants, vitamins, amino acids, skin whiteners, skin lighteners, anti-inflammatory, anti-oxidant, anti-aging, and moisturizing agents. Pigments include pearlescent and thermochromic pigments to carmine natural colors and more.

Company Documents

November 2016: Fall-Inspired Palette for the Face...

October 2016 - Color Trends Fall/Winter 2017-18

SEPTEMBER 2016 - FACIAL EDITION

Plant Stem Cell and Peptide - A Focus List

The Structure & Mechanism of Soft Focus Effect Powders and Pigments

Unique D-5 Free Silicone Elastomer

Information of Peptides

Plant Cell Technologies of Sandream

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Sandream Impact makes their documentation available in the regions indicated below:



Categories

Chemical Class Categories

- Sterols
- Organic Salts

Functionality Categories

- Anti-Inflammatory Agents

Where to Buy

Sandream Impact

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UL's Supply Chain Information for Dipotassium Glycyrrhizinate

Supply chain information is an indispensable tool that delivers global regulatory and retailer information inside Prospector's product profile pages. Enhance your formulation work by adding this valuable information, as well as premium search facets, to your search interface with a Prospector subscription.

Find compliance data quickly and easily.

Track new rules as you research ingredients.

Speed up innovation by knowing regulation up-front.

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Regulatory Snapshots

CAS NAME (NUMBER) & DOCUMENT

COMPLIANCE

.alpha.-D-Glucopyranosiduronic acid, (3.beta.,20.beta.)-20-carboxy-11-oxo-30-norolean-12-en-3-yl
2-O-.beta.-D-glucopyranuronosyl-, dipotassium salt (68797-35-3)

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Please Note: information is updated quarterly. Please check with the regulating body and retailers for the most updated information.

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DIPOTASSIUM GLYCYRRHIZATE

DIPOTASSIUM GLYCYRRHIZATE is classified as :

- Humectant
- Skin conditioning

CAS Number:: 68797-35-3

EINECS 272-296-1

Chem/IUPAC Name/Description: .alpha.-d-Glucopyranosiduronic acid, (3.beta.,20.beta.)-20-carboxy-11-oxo-30-norolean-12-en-3-yl 2-O-.beta.-d-glucopyranuronosyl-, dipotassium salt

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9 Cosmetics Ingredients containing DIPOTASSIUM GLYCYRRHIZATE

Search by Keywords

Filter by Category

- Anti acne Agents (1)
- Anti aging Agents (1)
- Anti allergenic Agents (2)
- Anti inflammatories (7)
- Anti redness Anti couperose Agents (1)
- Antimicrobials (1)
- Conditioning Agents (1)

Filter by Application

- Creams, lotions & gels (1)
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- + Toiletries (Shower & Bath, Oral care...) (1)

Filter by Supplier

- Nikkol (2)
- Artec Chemical (1)
- BASF (1)
- GfN-Selco (1)
- R.I.T.A (1)
- Reachin Chemical (1)
- SMA Collaboratives (1)
- Uniproma Chemical (1)

9 Products Found

Name	Technology	Supplier	Docs & Support
Artec Chemical Dipotassium glycyrrhizate	Conditioning Agents Flavoring Agents	Artec Chemical	
Pi :activ® PGL	Anti inflammatories Soothing Agents	BASF	
D :tassium G :rrhizinate	Anti inflammatories	GfN-Selco	
N :l Dipotassium G :rrhizinate	Anti allergenic Agents Anti inflammatories	Nikkol	
N :l Saponin C :plex BG30	Foaming Agents	Nikkol	
Ri :nectant K2	Anti inflammatories	R.I.T.A	
Reactive DKG	Anti allergenic Agents Anti inflammatories	Reachin Chemical	
SMACTIV DPG-K2	Soothing Agents Anti redness Anti couperose Agents Anti inflammatories	SMA Collaboratives	
PromaEssence® DG (Powder 98%)	Antimicrobials Lightening Whitening Agents Soothing Agents Anti acne Agents Anti aging Agents Anti inflammatories	Uniproma Chemical	



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2 Formulations containing DIPOTASSIUM GLYCYRRHIZATE

Toiletries: Toothpaste by Ajinomoto

Toothpaste is an SDS-free mild toothpaste formulation. It contains AMISOFT MS-11 which acts as a surfactant and moisturizing agent. It is very mild, highly biodegradable and hypoallergenic. A formulation by Ajinomoto.

Decorative Cosmetics: AHA Liquid Makeup by AkzoNobel

STRUCTURE® SOLANACE starch, a naturally derived rheology modifier, increases stability and contributes to a unique soft conditioning after feel. DRY-FLO® PURE starch provides soft silky feel.

Products (9)

Formulations (2)

[News \(1 \)](#)

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Feb 21, 2013 | [Product News](#)

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Dipotassium Glycyrrhizate

Overview

Safety

Resources

What Is It?

Glycyrrhetic Acid and Glycyrrhizic Acid are specific compounds isolated from licorice plants. Glycyrrhizic Acid is a conjugate of Glycyrrhetic Acid and two molecules of glucuronic acid, a carbohydrate. Potassium Glycyrrhetinate, Sodium Succinoyl Glycyrrhetinate, Glyceryl Glycyrrhetinate, Glycyrrhetinyl Stearate and Stearyl Glycyrrhetinate are salts and esters of Glycyrrhetic Acid.

Ammonium Glycyrrhizate, Dipotassium Glycyrrhizate, Disodium Glycyrrhizate, Trisodium Glycyrrhizate, Methyl Glycyrrhizate and Potassium Glycyrrhizate are salts and esters of Glycyrrhizic Acid. In cosmetics and personal care products, these ingredients are used in the formulation of makeup, fragrance, hair care, skin care, shaving, personal hygiene and suntan products.

Why is it used in cosmetics and personal care products?

These ingredients are used to **enhance the appearance of dry or damaged skin by reducing flaking and restoring suppleness.**

They are also used to impart a flavor to cosmetics and personal care products.

Scientific Facts:

Glycyrrhetic Acid is an [organic compound](#) [?] derived from shredded licorice roots and Glycyrrhizic Acid is a natural material isolated from the licorice plant, *Glycyrrhiza glabra*.

PRODUCT TYPES

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- Eye Makeup

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Dipotassium glycyrrhizate

* Botanical Ingredient * * A salt derived from the licorice plant. Also known as licorice root extract.

This skin conditioning agent works to improve the appearance of dry/damaged skin by reducing flaking and restoring suppleness, and also functions as an anti-irritant with anti-inflammatory and skin soothing capabilities. In fact, clinical tests point to the ingredient as an effective treatment for atopic dermatitis.

* Botanical Ingredient *

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Functions:

This skin conditioning agent works to improve the appearance of dry/damaged skin by reducing flaking and restoring suppleness, and also functions as an anti-irritant with anti-inflammatory and skin soothing capabilities. In fact, clinical tests (<http://www.ingentaconnect.com/content/apl/jdt/2003/00000014/00000003/art00005>) point to the ingredient as an effective treatment for atopic dermatitis.

Furthermore, studies (<http://pubs.acs.org/doi/abs/10.1021/jf020935u>) suggest it may also inhibit the skin's tyrosinase activity and melanin production, making it a potential lightening/brightening agent that prevents hyper-pigmentation. Further studies have shown it to help reduce the redness and irritation commonly associated with various ailments such as Rosacea, Psoriasis and acne. It can be found in personal care products such as facial moisturizer/lotion, anti-aging treatment, sunscreen, acne treatment, cleanser, foundation, skin fader/lightener, facial masque and eye cream.

Safety Measures/Side Effects:

The FDA (<http://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfcfr/CFRSearch.cfm?fr=184.1408&SearchTerm=licorice>) includes this ingredient on its list of Generally Recognized As Safe (GRAS) direct food ingredients. Clinical tests demonstrate that dipotassium glycyrrhizate does not penetrate nor irritate the skin. Both the EU Cosmetics Directive (http://ec.europa.eu/enterprise/cosmetics/html/consolidated_dir.htm) and the Cosmetic Ingredient Review (CIR) Expert Panel have determined it as non-toxic and safe to use in OTC personal care products. However, because it's a plant derived ingredient, The CIR Expert Panel advises cosmetic manufacturers to take the necessary steps to assure that pesticide and toxic metal residues are below acceptable levels.

Recommended Products With Dipotassium Glycyrrhizate:

[E'Shee Clinical Esthetic Elixir of Life KI Therapy Serum](http://www.truthinaging.com/e-shee-elixir-of-life-ki-therapy-serum) (<http://www.truthinaging.com/e-shee-elixir-of-life-ki-therapy-serum>) (\$189 in the shop), [M.A.D Skinare Daily Illuminating Moisturizer](#) (\$50), [Amarte Daily Exfolipowder](#) (\$35), [LiftLab Lift & Fix High Potency Solution](#) (\$95), [M.A.D Skincare Youth Transformation Retinol Complex Serum 1%](#) (\$79)

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