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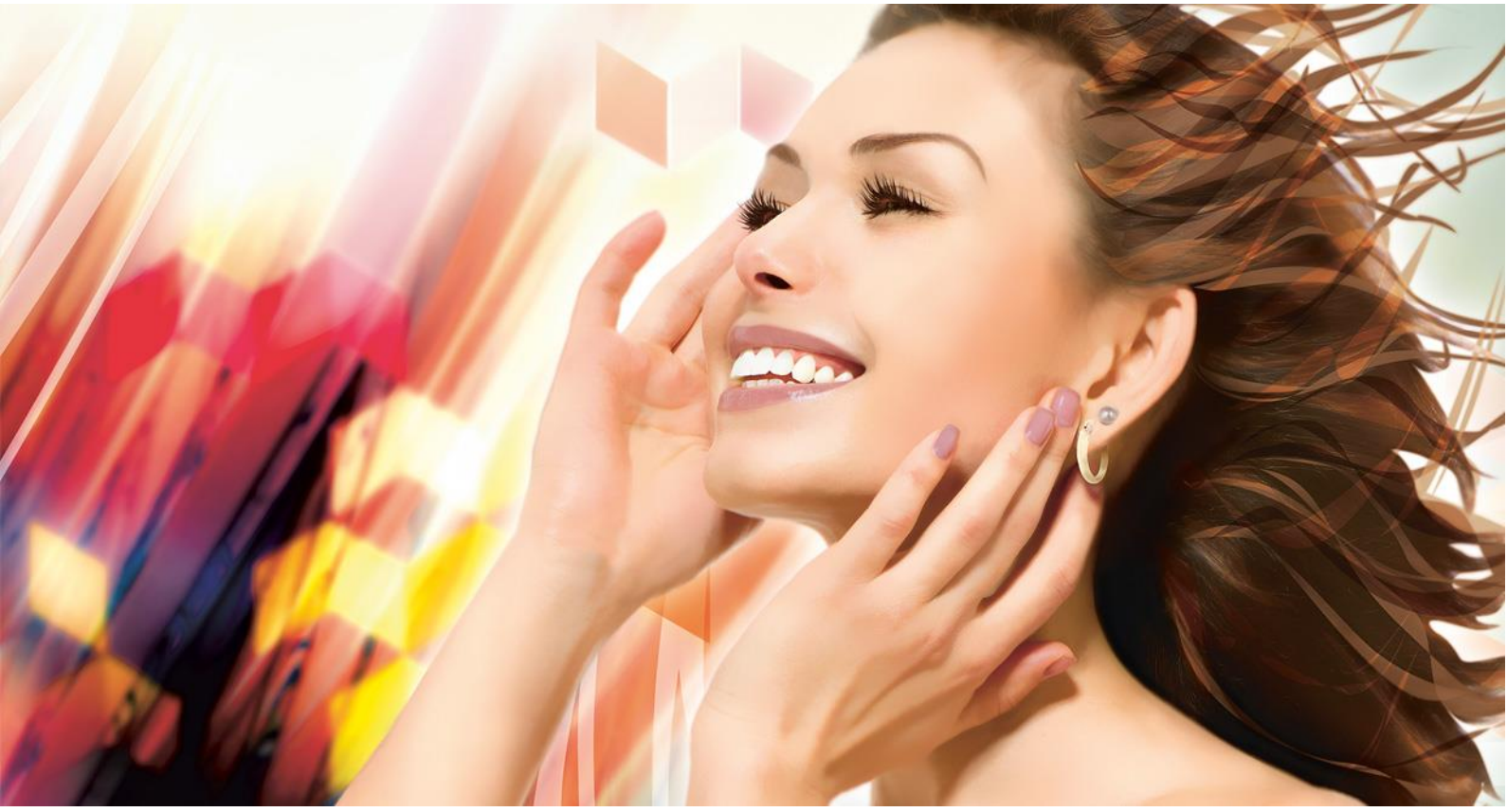

Vin-upLift

Technical Data Sheet

Vin-upLift 0827

Vin-upLift is a novel tara gum based granulate containing icewine.

Composition

Icewine (dry mass)	1%
Tara Gum	85%
Maltodextrin	9%
Water (moist)	2 - 7%

INCI (EU/PCPC) Declaration

Wine (and) Caesalpinia Spinosa Gum (and) Maltodextrin (and) Aqua / Water

Physical Properties

Consistency	granulate
Appearance	white to off-white
Odor	characteristic

Characteristics

pH-Value	4.0 - 8.0 (0.2% product in water)
Bulk density	350 - 550 g/L
moist mass	2 - 7 %
Bacteriology	total CFU < 1000/g

Stability	3 years
Packaging	10kg polyethylene container
Storage	25°C, in closed containers at a dark place

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Origin

The product was developed by Mibelle Group Biochemistry, Switzerland in 2015 for cosmetic applications.

Components /INCI	CAS	EC	% w/w	origin
Wine	91082-91-6	293-806-9	1 (dry matter)	Vegetable(Vitis Vinifera)
Caesalpinia Spinosa Gum	39300-88-4	254-409-6	85	Vegetable (Caesalpinia Spinosa)
Maltodextrin	9050-36-6	232-940-4	9	Vegetable (maize)
Aqua/Water	7732-18-5	231-791-2	5	Natural

We confirm that this cosmetic ingredient was manufactured by Mibelle Group Biochemistry in Switzerland, thus can be considered as Swiss origin.

VOC

This product contains <0.5% VOC (volatile organic compound) according to annex 1 of the Swiss regulation SR 814.018 (VOCV) and to 40 CFR 51.100 issued by U.S.Environmental Protection Agency (EPA).

Manufacturing

Manufacturer

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Manufacturing Process

Preparation of ice wine mixture

▼

Dissolution of maltodextrin in ice wine mixture

▼

Fluidized bed drying on excipient tara gum

▼

Packaging

▼

Quality control

Certificates

Certificates are available upon request

ISO 9001:2008

ISO norm for quality management systems

ISO 22716:2007

ISO norm for Cosmetic GMP (Good Manufacturing Practice)

ISO 14001:2004
ISO norm for environmental management systems

EFfCI GMP
GMP standard for cosmetic ingredients 2012 of the European Federation for Cosmetic Ingredients (EFfCI)

Residues/Impurities

Pathogens
We confirm the absence of pathogenic germs as follows (absent in 1g):

- Yeast / Moulds
- Pseudomonas aeruginosa
- E.coli / Enterococcae
- Candida albicans
- Staphylococcus aureus
- Aspergillus niger

Solvents / Residual solvents
Based upon our knowledge about the raw materials and the production process, we confirm that the product contains no other solvents than specified in the INCI, unless non-intended, technically unavoidable traces of residual solvents below 0.5% (ethanol) ,in accordance with good manufacturing process.

CMR
Based upon our knowledge about the raw materials and the manufacturing process , no CMR substance under Annex I of Directive 67/548/EEC, respectively Annex VI of the CLP regulation 1272/2008 is used or expected to be formed in the manufacture of the product.

Heavy metals

	mg/kg (ppm)	Method
• Arsenic (As)	<1.0	PV 01184
• Cadmium (Cd)	<0.1	PV 01184
• Lead (Pb)	<1.0	PV 01184
• Mercury (Hg)	<0.1	PV 01184
• Antimony (Sb)	<1.0	PV 01184
• Chromium (Cr)	<1.0	PV 01184
• Nickel (Ni)	<1.0	PV 01184

Total heavy metals < 20 ppm

Pesticides
The product was screened for the content of pesticides and does not contain pesticides above the concentration limit according to the regulation (EC) No 396/2005.
Thus the product can be considered as "Pesticide Free".

Phtalates
Based upon our knowledge about the raw materials and the manufacturing process we do not expect phthalates (incl. DBP, DMP, Diethyl-Phthalate DEP) to be present.

Proposition 65 (California)
To the best of our knowledge, we confirm that the product does not contain any contaminants or bi-products, known to the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 State Drinking Water and Toxic Enforcement Act, unless non-intended technically unavoidable traces (see residual solvents) regarding good manufacturing process.

Other Impurities
Based upon our knowledge about the raw materials and the production process, the product should not contain any impurities or residues which are not mentioned in the INCI, caused by the manufacturing process.

Preservative System

Contains no preservatives according to EU Cosmetic Regulation (EC) 1223/2009, Annex V.

Regulatory

EU
Not specifically regulated under EU Cosmetic Regulation (EC) 1223/2009. No restrictions.
Meets the legal standards of Regulation (EC) No 1223/2009 of the European Parliament and the council of 30 November 2009 on cosmetic products and does not contain any substances listed under annexes II or III.

We hereby confirm that the product does not contain any Nanoparticles according to the definition of nanomaterial given in Article 2 (Paragraph 1k) of the European Cosmetics Regulation (EC)1223/2009.
Furthermore we declare that to the best of our knowledge we do comply with the French decree 2012-232. The above mentioned product does not contain nanoparticles, which are regulated by this decree..

Australia
The component Caesalpinia Spinosa Gum is not listed on AICS.
Please consider NICNAS exemptions for notification.

Canada
The component Caesalpinia Spinosa Gum is not specified on DSL/ NDSL (CEPA Environmental Registry). Given the recommended use level, it is exempted by the low volume importation regulation.

China
The Chinese Chemical Substance legislation and the Chinese 'Hygiene Supervision over Cosmetics' legislation have to be respected.
We confirm that the INCI of this product has been listed on the latest Chinese approved INCI list published by CFDA (China Food and Drug Administration) on 30th May 2014 and is therefore considered as China okay.

Korea (KCA)
All components are listed on the KCID.

USA
No restrictions for the use as a cosmetic active ingredient at the recommended concentrations in conventional cosmetic products.

Japan
Authorised. Not specifically regulated according to the New Cosmetic Standards, enforced on April 1st 2001, by the ministry of Health and Welfare (MHW).

Other Countries
To the best of our knowledge we hereby confirm, that we are not aware of any restrictions for the use of this product as a cosmetic active ingredient at the recommended concentrations and it is conform to the cosmetic regulations.

REACH
Meets the regulation (EC) 1907/2006 (REACH) as all substances it is composed of,

- are excluded from registration and /or
- are exempted from registration, and/or
- have been pre-registered and/or have been registered by our suppliers

CITES
We hereby confirm, that the vegetable components are not subject of the Cites regulation.

Statements

Animal Test
We hereby confirm that the product has not been tested on animals by or on behalf of our company. To the best of our knowledge we confirm that the component parts, as defined by the INCI nomenclature, have not been the subject of animal testing or retesting for cosmetic purposes since September 11th 2004 at the latest.

GMO
GMO free
Based on the information from our raw material suppliers we hereby confirm, that the component maltodextrin is derived from conventional maize (i.e. non-GMO according to the European regulation 1829/2003 and 1830/2003) .

BSE /TSE Hazard
We hereby confirm that the product does not contain components originating from animal sources. Thus the product can be considered as "BSE/TSE Free".

Allergens
We hereby confirm that the product was screened for the content of the 26 fragrance allergens, additionally atranol and chloratranol (components of oak moss and tree moss extract).
This product does not contain allergenic substances above the concentration limit according to EU Cosmetic Regulation (EC) 1223/2009, Appendix III.
Thus the product can be considered as "Allergen Free".

Gluten
Based upon our knowledge about the raw materials and the manufacturing process, we hereby confirm that the product does not contain impurities or residues of gluten containing ingredients or proteins thereof nor are such components present during manufacturing. Thus the product should not contain any impurities or residues of gluten and can be considered as "Gluten Free".

Halal
We hereby confirm that the product does not contain any animal derived components and/or ethyl alcohol as a component (see residual solvent statement) . In addition, the equipment used to manufacture the product is not used at any time to process animal derived materials or components. The product is stored separately from products of animal origin or products containing such ingredients. Therefore the product is never in contact with any kind of animal sources .
Nevertheless Vin-upLift contains wine as a component and is therefore not regarded as halal

Palm Oil / Palm Oil Derivatives
We hereby confirm that the product does neither contain palm oil based ingredients nor palm oil derivatives.

Petrochemicals / Petrochemical Derivatives/ Mineral Oils
Based upon our knowledge about the raw materials and the manufacturing process, we confirm that no mineral oils, petrochemicals or substances of petrochemical origin are used in the manufacture of the product.

Vegan
we hereby confirm that this product does not contain any animal originating or animal derived components. Therefore this product can be considered as "vegan".

Irradiation
We hereby confirm that in the production process no gamma irradiation was conducted.

Toxicological Review / Physiological safety

Rat oral LD50 [mg/kg]
No LD50 was conducted. Regarding the composition, a LD50 value of > 2000 mg/kg has to be expected.

Photosensitization
A human photo patch test with 2% aqueous solution was conducted on 50 volunteers. On the basis of the test result and under the test conditions, there was no evidence of a primary photo toxic reaction.

Mutagenicity (Ames Test)
The product is considered to be non-mutagenic in the conducted screening bacterial reverse mutation assay. Also, the product did not show any cytotoxicity towards the bacteria.

Ocular Irritant Potential (Het-Cam Test)
The ocular tolerance was tested by the Het-Cam method with a 2% aqueous solution. According to the JORF classification the product was considered as slightly irritant.

Formulation

Optimal pH Range	4.0 – 8.0
Recommended use level	0.5-2.0%
Thermostability	Temperatures of up to 70°, will not affect the stability of Vin-upLift
Incompatibilities	Ethanolic/ aqueous solutions containing > 3% ethanol result in precipitation.
Solubility	Water-soluble, insoluble in oil and ethanol. Vin–up Lift in water results in a slightly hazy hydrogel.
Incorporation	Vin-upLift can be incorporated into most cosmetic and dermatological formulations such as emulsions (O/W, W/O) and gels, except water free formulations. Disperse Vin-upLift in the aqueous phase and mix until complete hydration (e.g. 30 min at 70°C), followed by proper homogenization if needed. Once completely hydrated, mix with the oily phase. To avoid lump formation we recommend to premix Vin-upLift with other dry components or to disperse it into oil, alcohol or other dispersing agents under good homogenization, before adding to the aqueous phase under strong agitation.
Remarks	The behaviour of Vin-upLift is comparable with other natural gums such as Xanthan Gum. Temperature has an important influence on the solubility and viscosity development. The speed of solubilisation increases with higher temperatures. Full thickening is only reached after a heating step and viscosity build-up takes up to several hours. Vin-upLift solutions undergo a reduction of viscosity when heated and show thixotropic characteristics (time depending shear thinning property). It may exhibit synergistic effects with other thickening agents. Therefore the amount of other thickeners should be adjusted. To prevent air inclusion, we suggest to apply vacuum.

Authorized by Dr. Cornelia Schürch, Head of Development & Compliance
Valid without signature