



GOSULIN IL

Artn: 501853

PRODUCT DOSSIER

1. Product identity:

1.1 Product group:

Emollient

1.2 Product description:

A vegetable based emollient made out of natural sources.

Gosulin IL has a superior volatile behavior, making it the ideal “improved” replacement for volatile silicones (cyclomethicone).

Gosulin IL reduces whitening effect of emulsions.

Gosulin IL improves spreadability and tackiness of emulsions.

A synergistic mixture of esters of isoamyl alcohol and C6- C14 fatty acids.

1.3 Composition:

INCI	%	Cas n°
ISOAMYL LAURATE	>90	6309-51-9
ISOAMYL COCOATE	<10	1451002-36-0 / 6309-51-9 / 62488-24-8 / 81974-61-0 / 627-88-3 / 1314763-50-2

CTFA	%	Cas n°
ISOAMYL LAURATE	>90	6309-51-9
ISOAMYL COCOATE	<10	1451002-36-0 / 6309-51-9 / 62488-24-8 / 81974-61-0 / 627-88-3 / 1314763-50-2

1.4 Additives:

Not present

1.5 Allergenic ingredients:

Not present

1.6 Origin and function:

INCI (CTFA):	Origin	Function
ISOAMYL LAURATE	Vegetable	EMOLLIENT
ISOAMYL COCOATE	Vegetable	EMOLLIENT



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2. Production process information:

Esterification of Isoamyl Alcohol with Lauric Acid

- Isoamyl Alcohol - sourced from sugar cane (Saccharum Officinarum), sugar beet (Beta Vulgaris), wheat (Triticum Vulgare), barley (Hordeum Vulgare)

- Lauric Acid - sourced from Palm (Elaeis Guineensis)

2.1 Irradiation:

☐

Yes

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No

2.2 Additional information:

See file: ProdProc-GosulinIL-2001.pdf

3. Impurities:

3.1 Heavy metals:

Name	Value	Comments
Total	< 10 ppm	
As	< 0.1 ppm	Eur Pharm AAS, FIAS Hydride
Pb	= 0.76 ppm	Eur Pharm AAS, GFA
Cd	< 0.1 ppm	Eur Pharm AAS, GFA
Hg	< 0.1 ppm	Eur Pharm AAS, FIAS Hydride
Cr	= 0.11 ppm	Eur Pharm AAS, GFA

3.2 Pesticides:

Not expected to be present.

3.3 CMR impurities:

Not expected to be present.

3.4 Prohibited impurities:

Not expected to be present.

3.5 Other impurities:

3.5.1 Residual solvent

Not expected to be present.

3.5.2 Residual monomers

Not expected to be present.

3.5.3 Residual reactants

Name	Value
Isoamyl Alcohol	<=2000 ppm



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3.5.4 Polyacrylic Aromatic Hydrocarbons

Not expected to be present.

3.5.5 Others

Name	Value	Comments
Lactose	-	Not expected to be present.
Terpen(s)	-	Not expected to be present.
1,4-Dioxane	-	Not expected to be present.
Ethylene Oxide	-	Not expected to be present.
Diethylene Glycol	-	Not expected to be present.
Dioxin	-	Not expected to be present.
Sulfite	-	Not expected to be present.
Aromatic Amine	-	Not expected to be present.
Acrylamide	-	Not expected to be present.
Nitrosamine	-	Not expected to be present.
Monochloroacetic Acid	-	Not expected to be present.
Dichloroacetic Acid	-	Not expected to be present.
Formol	-	Not expected to be present.
Formaldehydes	-	Not expected to be present.
Phthalates	-	Not expected to be present.
Glycol Ether	-	Not expected to be present.
Bisphenol A	-	Not expected to be present.
Ethanol	-	Not expected to be present.
Proteins	-	0 g/100 g d.m. - According to applicable rounding rules in EU and US

4. Physio-chemical characteristics:

4.1 Specification

Parameter	Specification
Appearance 20°C	Liquid
Aspect @ 20°C	Transparent
Colour	Colourless
Odour	Faint to odourless
Acid value	≤ 1 mg KOH/g
Colour (Hazen)	≤ 70
Cloud point	< -15 °C



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4.2 Typical Microbiology:

TVC, Yeast & Moulds

Not relevant: Not occurring due to the nature of the product - low water activity

Pathogens

Not relevant: Not occurring due to the nature of the product - low water activity

4.3 Fatty acids distribution:

-

4.4 Typical Properties:

Parameter	Value
Refractive index @ 20°C	1.43 - 1.445
Density @ 20°C	0.85 - 0.89 kg/l
Viscosity @ 40°C	= 3.9 mm ² /s
Boiling point	= 298 °C
Flash point	> 160 °C

4.5 Quality of the product:

Type	Details
Natural Index (acc. to ISO 16128)	NI=0
Natural Origin Index (acc. to ISO 16128)	NOI=1
Organic Index (acc. to ISO 16128)	OI=0
COSMOS	Product certified, see current certificate for details.

5. Formulation guideline:

5.1 Solubility:

Name	Solubility
Water	Insoluble
Glycerine	Insoluble
Propylene glycol	Insoluble
Ethanol	Soluble
Mineral oil	Soluble
Octylstearate	Soluble
Soya oil	Soluble
Dimethicone	Soluble
Cyclomethicone	Soluble
Oil	Soluble



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5.2 Compatibility:

Name	Compatibility
Carbomer	Compatible
Colourants - oil soluble	Compatible
Colourants - water soluble	Compatible
DHA	Compatible
Electrolytes +	Compatible
Electrolytes ++	Compatible
Electrolytes Al/Zr +++	Compatible
Essential oils	Compatible
Hydrogen peroxide	Incompatible
Mineral oils	Compatible
Oxidizing agents	Incompatible
Parfum	Compatible
Peroxides	Incompatible
Plant extracts	Compatible
Preservatives	Compatible
Reducing agents	Incompatible
Silicone oils	Compatible
Synthetic oils	Compatible
Thioglycolates	Incompatible
Vegetable oils	Compatible
Vitamines	Compatible

5.3 pH range:

3.0 - 12.0

5.4 Maximum heating temperature:

< 100 °C

5.5 Incorporation:

Product has to be added to the oil phase.

5.6 Dosage:

Application	%
Creams and lotions	1 - 100

5.7 Additional information:

None



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5.8 Demonstration formulations

See files:

- Form-24hBodyLotion-24HBL-130328-B-Distributor.pdf
- Form-AntiperspirantDeoRollOn-NIL-ADRO-130902-C-Distributor.pdf
- Form-BudgetConditioner-NOP-BC-130723-A-distributor.pdf
- Form-BudgetDeoRollOn-NIL-DRO-130902-A-distributor.pdf
- Form-DryOilSynthetic-Natural-DOS-DON-130325-A-Distributor.pdf
- Form-HydratingMakeUpRemover-HMUR-130328-C-Distributor.pdf
- Form-HyperShineLeaveInHairMask-LIEH-130618-B-distributor.pdf
- Form-InvisibleSunGel-CSG-180809-A-distributor.pdf
- Form-LavenderBlossomEntranceOil-JO-131028-A-Distributor.pdf
- Form-NaturalHairConditioner-NHC-130531-B-distributor.pdf
- Form-NaturalShineShampoo-NSSH-130808-A-distributor.pdf
- Form-PrebioticVanishingAfterShave-PVAS-130902-A-distributor.pdf
- Form-TheBalladeOfScent-EDTAF-131106-A-Distributor.pdf
- Form-YogurtChicoryHairMask-NHM-130531-A-distributor.pdf

6. Product properties:

- Improves spreadability
- Reduces greasiness
- Reduces tackiness
- Vegetable replacement for cyclopentasiloxane
- Non comedogenic
- Polar oil
- Removes waterproof make up. Dissolves silicones.
- Solvent.
- Hair conditioning effect, similar to cyclomethicone.
- Low viscosity oil.
- Wetting agent.
- SPF booster.
- Excellent dispersing agent for TiO₂ in emulsions and sticks.
- Excellent dispersing agent for colorpigments in emulsions and sticks.
- Extreme light skin feel.



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7. Product application:

- Makeup cosmetics
- Make-up remover cosmetics
- Bath and shower oils
- Hair styling products
- Hair care products
- Body spray products
- Sun care products
- Deo and antiperspirants
- Facial care cosmetics
- Lip stick products
- Preparation for oily skin

8. Product claims:

-

Brochures

See files:

- Mark-GosulinIL-2009.pdf

Presentations

See files:

- Pres-GosulinIL-1912.pdf

9. Logistics:

9.1 Shelf life:

24 months

9.2 Storage information:

Store in a dry, cool and well-ventilated area below 35°C.

9.3 Customs Tariff Code (HS)

29159030

9.4 Country of origin:

Belgium

9.5 Packages information:

Quantity (kg)	Type:	Package material:	Amount EURO Pallet	Amount Block Pallet
1 kg	Bottle	Aluminium	NR	NR
5 kg	JC	HDPE	NR	NR
25 kg	JC	HDPE	600 kg	800 kg
175 kg	DRUM	HDPE	350 kg	700 kg



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10. Regulation:

10.1 Cosmetic regulation status

Country	Status	Comments
EU	Compliant	Regulation (EC) No 1223/2009
USA	Compliant	FD&C Act – 21 CFR 700 to 740
Japan	Compliant	ISHL- Industrial Safety and Health Law
China	Not compliant	IECSC- Chinese Chemical Inventory of Existing Chemical Substances
Canada	Compliant	DSL - Canadian Domestic Substances List - Limited Import
Australia	Compliant	AICS - Australian Inventory of Chemical Substances - Limited Import
Korea	Compliant	ECL- Korean Existing Chemicals List
US California	Compliant	Regulation California Proposition 65
Mexico	Compliant	-
Middle East	Compliant	-
Turkey	Compliant	-
New Zealand	Compliant	-
Mercosul: Argentina, Paraguay, Uruguay, Venezuela, Brazil	Compliant	Southern Common Market
South Africa	Compliant	-
Asean: Burnei Darussalam, Cambodia, Indonesia, Laos, Myanmar, Philipipines, Singapore, Thailand, Vietnam	Compliant	ASEAN Cosmetic Directive

10.2 REACH registration status

Ingredient	Status
ISOAMYL COCOATE	Exempt: Due to tonnage below 1T/year.
ISOAMYL LAURATE	Registered: 01-2119956659-17



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11. Toxicological profile:

Type	Result
Acute oral toxicity	LD50 > 4.300 mg/kg
Acute dermal toxicity	LD50 > 2.000 mg/kg
Inhalation toxicity	LC50 > 5.3mg/L (4h)
Skin irritation	Non irritant
Skin sensitization	Non sensitizing
Eye irritation	Non irritant
Phototoxicity	Non phototoxic
Mutagenicity	Non mutagenic
Developmental toxicity	Non developmental toxic
Reproductive toxicity	Non reproductive toxic
Teratogenicity	Non teratogenic

Type	Value	Unit	Comments
Percutaneous Absorption	0.0002	mg/cm2/event	Very low, dose independent.

Type	Value	Unit	Comments
NOAEL	1000	mg/kgbw/d	Derived from individual ingredients.

12. IFRA Statements:

Not relevant.

13. Statements:

Allergens	The substances suspected to be allergenic and listed in Annex III of EC 1223/2009 are below detection limit.
CMR	Based on our current knowledge of the production process, the used raw materials, the produced by products, the impurities and the equipment used we do not expect CMR substances 1A, 1B and 2 according to EC 1272/2008 Annex VI present in the product. The product is fully in compliance with article 15 of EC 1223/2009.
Animal Testing	This raw material has not been tested on animals for cosmetic purposes after the date 11/03/2009. This raw material is in compliance with article 18 EC 1223/2009.
Annex II Ingredients	This raw material does not contain any of the substances listed in Annex II ('List of substances prohibited in cosmetic products') of the European Commission's Cosmetic Ingredient Database (CosIng).



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BSE/TSE	This raw material is not of animal origin. During production, storage and transport there is no contact with any bovine or other animal material and a cross contamination is excluded. Therefore the requirements of Comm. Dir. 1999/82/EEC, CPMP/BWP/1230/98, Ph.EUR. Suppl. 2000:5.2.8 are not applicable.
Children Exploitation	No children are involved in the production process of this material. We strictly prohibit the use of child labour under the age of 15 or under the age for completion of compulsory education, whichever is higher, per the ILO Minimum Age Convention No. 138 (1973) and prohibit work that would harm the health, safety or morals of children per the ILO Worst Forms of Child Labor Convention No. 182 (1999).
CITES Vegetal Species	This raw material does not contain components regulated by CITES Vegetal Species.
Conflict Minerals	This raw material does not contain Conflict Minerals from countries which are known as conflict areas mentioned by the Dodd-Frank Act Section 1502. We are in a constant contact with our suppliers to ensure that the requirements of Conflict Free Minerals are fulfilled within the supply chain. It is our intention not to accept tin, tantalum, tungsten, gold or their derivatives known to originate from conflict areas.
CoRAP	This raw material does not contain any substances included in the CoRAP list.
Gluten	This raw material is free from gluten.
GMO	This raw material does not contain ingredients derived from GMO sources. However relevant thresholds for adventitious or technically unavoidable cross-contamination as laid down in 1829/2003/EC are accepted.
Green Chemistry	This raw material is produced according to the guidelines of 12 principals of green chemistry.
Halal	<p>All ingredients used in the production process of this raw material are non-animal based and/or do not contain any animal impurities.</p> <p>The following ingredients have been explicitly excluded during the complete production process:</p> <ul style="list-style-type: none"> - swine/pork and its by-products, or ingredients based on swine/pork, - animals improperly slaughtered or dead before slaughtering, - animals killed in the name of anyone else than Allah, - ethanol (alcohol) or drugs, - carnivorous animals, - birds of prey, - land animals without external ears, - blood, blood by products and blood derived ingredients. <p>This raw material is not Halal certified.</p>
Impurities	The presence of any impurities is non-intended and technically unavoidable in good manufacturing practice.
Kosher	This raw material is not derived from, nor does it contain pork and/or pork derivatives. This product is not Kosher certified.
Microplastic	This raw material does not contain microplastic ingredients listed in UNEP report 'Plastic in Cosmetics', 2015, and TAUW-report "Test to assess and prevent the emission of primary synthetic microparticles"



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Nagoya	The best of our knowledge, this raw material is conform to the Nagoya Protocol Regulation (EU) N°511/2014 (EU CM-ABS Regulation) on access to genetic resources and the fair and equitable sharing of benefit arising from their utilization.
Nanomaterials	This raw material is not classified as nano-material according to COLIPA's guidance SCCS/1484/12, EU Cosmetic regulation 1223/2009, French Decree n° 2012-232
Palm Origin	This raw material contains palm oil and/or palm kernel oil.
SVHC	This raw material does not contain substances listed as Substances of Very High Concern under the REACH Regulation.
TSCA	This raw material is not listed in the TSCA Chemical Substance Inventory.
Vegan	This raw material neither contains animal and/or animal derived ingredients, nor has it been in contact with animal and/or animal derived ingredients. To the best of our knowledge, this raw material fulfills the requirements set by the Vegan Society.
VOC	This raw material does not contain substances listed as Volatile Organic Compounds.

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