

RAW MATERIAL INFORMATION

NATURA-TEC ECOMULS 2 IN 1**Product identification****Manufacturer :** Natura-tec**Country of origin :** France**Custom Tariff :** 38249055**Manufacturing process and chemical composition****Manufacturing process:**

The manufacturing process consists of the combination of Glyceryl Oleate and Polyglyceryl-3-polyricinoleate and Olive Oil Unsaponifiables. This is carried out at approximately 60°C under nitrogen atmosphere. After QC control, the complex is cooled and filtered on a paper filter of 10µm and finally run into the packaging.

Chemical composition:

INCI/USA	INCI/EEC	CAS No.	EINECS / ELINCS No.	Function	%
Glyceryl Oleate	Glyceryl Oleate	68424-61-3	270-312-1		>50%
Polyglyceryl-3-polyricinoleate	Polyglyceryl-3-polyricinoleate	29894-35-7	Polymer		25 – 50%
Olea Europaea (Olive) Oil Unsaponifiables	Olea Europaea Oil Unsaponifiables	156798-12-8	232-277-0		1 - 4,99%

Impurities:

Impurities	Nature	Specification, ppm
Residual solvents		None
Monomers		None
Heavy metals	Pb	< 10
	As	< 3
	Cd	< 1
	Hg	< 1
	Cr	< 10
	Cu	< 5
	Ni	< 10
	Se	< 5

	Zn	< 5
	Ba	< 10
	Sb	< 5
	Co	< 10
Pesticides		None
Other impurities		Absence

Decontamination by radioactivity

We hereby certify that the product **Natura-tec Ecomuls 2 in 1** has not been treated with ionising radiation.

Reach compliance / CLP classification

Reach (CE regulation n°1907/2006)

Substance INCI name	CAS No	EINECS	Pre-registration	Registration Dateline
Glyceryl Oleate	68424-61-3	270-312-1	Yes	2018
Polyglyceryl-3-polyricinoleate	29894-35-7	Polymer	Exempted as polymer	
Olea Europaea (Olive) Oil Unsaponifiables	156798-12-8	232-277-0	Exempted annex V	

CLP classification

Natura-tec Ecomuls 2 in 1 is not classified under regulation CE 1272/2008

Ingredient of vegetable origin

General description of the vegetal	
INCI name of the ingredient of vegetal origin	Olea Europaea (Olive) Oil Unsaponifiables
Name of the vegetal (genus – species)	Genus : Olea Species : Europaea Family : Oleaceae
Part used	Fruit
Geographical origin	Spain, Italy, Greece
Is the plant cultivated or natural?	cultivated
Is it a regulated vegetal species (CITES, IUCN red list...)? If yes, see enclose a duplicate of the authorization certificate	No

We the undersigned, certify that our **Natura-tec Ecomuls 2 in 1** contains no material of animal origin and thus is not concerned by BSE regulation

Storage conditions

Packaging	Plastic canisters 25 kg net
Storage	Store at 25°C in original unopened packaging
Shelf life	24 months in original unopened packaging

Note : Cloudy appearance may occur over time when stored at temperature < 15°C.
Maintain the product at 25°C and agitate before use

Toxicological data

From information available, **Natura-tec Ecomuls 2 in 1** is non-toxic under normal conditions of use.

Bibliographic data on the individual ingredients

Glyceryl Oleate

The Food and Drug Administration (FDA) includes Glyceryl Oleate on its list of direct food substances considered Generally Recognized As Safe (GRAS).

The safety of Glyceryl Oleate has been assessed by the Cosmetic Ingredient Review (CIR) Expert Panel. The CIR Expert Panel evaluated the scientific data and concluded that Glyceryl Oleate was safe as a cosmetic ingredient. In 2004, as part of the scheduled re-evaluation of ingredients, the CIR Expert Panel considered available new data on Glyceryl Oleate and reaffirmed the above conclusion.

Polyglyceryl-3-polyricinoleate

Bibliographic data refers to the lethal dose of Polyglyceryl-3-Polyricinoleate and then allow to conclude that the product is safe as a cosmetic ingredient.

LD50 oral rat > 5000 mg/kg Non-toxic

(Lethal Dose : It corresponds to the standard measure of the toxicity of a material that will kill half of the sample population of a specific test animal in a specified period through exposure via ingestion, skin contact, or injection. LD50 is measured in micrograms (or milligrams) of the material per kilogram of the test-animal's body weight; lower the amount, more toxic the material.)

Olea Europaea (Olive) Oil Unsaponifiables

The safety of Olive Oil Unsaponifiables has been assessed by the Cosmetic Ingredient Review (CIR) Expert Panel. The CIR Expert Panel evaluated the scientific data and concluded that Olive Oil Unsaponifiables was safe for use as cosmetic ingredients. In 2001, the CIR Expert Panel considered available new data on Olive Oil Unsaponifiables and reaffirmed the above conclusion

CIR Safety Review: The CIR Expert Panel noted that studies indicated that Olive Oil Unsaponifiables was poorly absorbed from the gastrointestinal tract. The toxicity of this ingredient by all routes was low. At 100% concentrations, Olive Oil Unsaponifiables was non irritant to the skin and eyes. Products containing Olive Oil Unsaponifiables were not dermal irritants or sensitizers

Regulatory information - Certificates

Cosmetic directive compliance

In conformance to the EC Directive n° 1223/2009 in respect to the use in cosmetic products, **Natura-tec Ecomuls 2 in 1** is exempt of prohibited substances (Annex II) and restricted substances (Annex III). **Natura-tec Ecomuls 2 in 1** is exempt of Phtalates, nonylphenol, alkylphenols, phenol, nitrosamines, glycol ethers.

Non animal testing

We hereby confirm that **Natura-tec Ecomuls 2 in 1** of our manufacture, has not been tested on animals.

Non GMO origin

We hereby confirm that the product **Natura-tec Ecomuls 2 in 1**

- does not contain GMO's or GMO derived components
- no GMO derived materials or processing aids are employed in the manufacture of this product.

Absence CMR

It is certified that the product **Natura-tec Ecomuls 2 in 1** does not contain carcinogenic, mutagenic or reprotoxic (CMR) substances of categories 1, 2, 3 or 1A, 1B or 2 listed in regulation 1272/2008 and amendments: commission regulation (CE) n° 790/2009 and n°286/2011.

Absence of allergens

It is hereby certified that the product **Natura-tec Ecomuls 2 in 1** of our manufacture, does not contain any of the 26 allergens listed in the Cosmetic Directive CEE / 76 / 768 and amendments

Absence SVHC

It is certified that the product **Natura-tec Ecomuls 2 in 1** of our manufacture does not contain substances identified as SVHC featuring in the "REACH candidate list" published.

The "REACH candidate list" is present on ECHA web site and has been updated in in June, 18 2012

Link: http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp

BSE statement

We, the undersigned, certify that during the manufacturing process of our **Natura-tec Ecomuls 2 in 1**:

- No material derived from animal has been used during the manufacture, processing or packing / re-packing.
- There is no risk of cross contamination from products derived from animal during the manufacture, processing or packing / re-packing

Gluten free

We certify that the product **Natura-tec Ecomuls 2 in 1** that we manufacture is Gluten free.

Global restriction

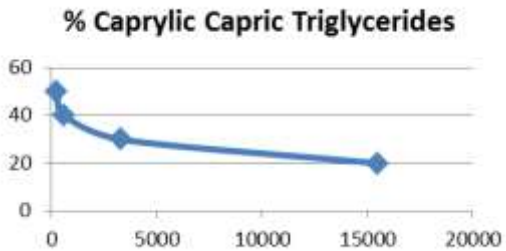
Europe	No restriction
USA	No restriction
Canada	No restriction
Japan	No restriction
China	No restriction

Australia No restriction
 Korea No restriction

Efficacy tests

MAIN PARAMETERS CONTROLLING STABLE EMULSIFYING PERFORMANCE

- ❖ Composition of the oil phase
 The oil phase polarity can influence the viscosity of the emulsion
- ❖ % of the oil phase (15-35%)
 Different viscosities are obtained by varying the concentration of the oil phase.
 The greater the oil phase concentration, the lower the viscosity of the end formulation.



- ❖ Addition and % of the salt used: NaCl (2%), MgSO4 (0,8%)
- ❖ % of the emulsifier (from 3 to 5%)
- ❖ Process : high speed stirring for both hot and cold methods + homogenization at the end

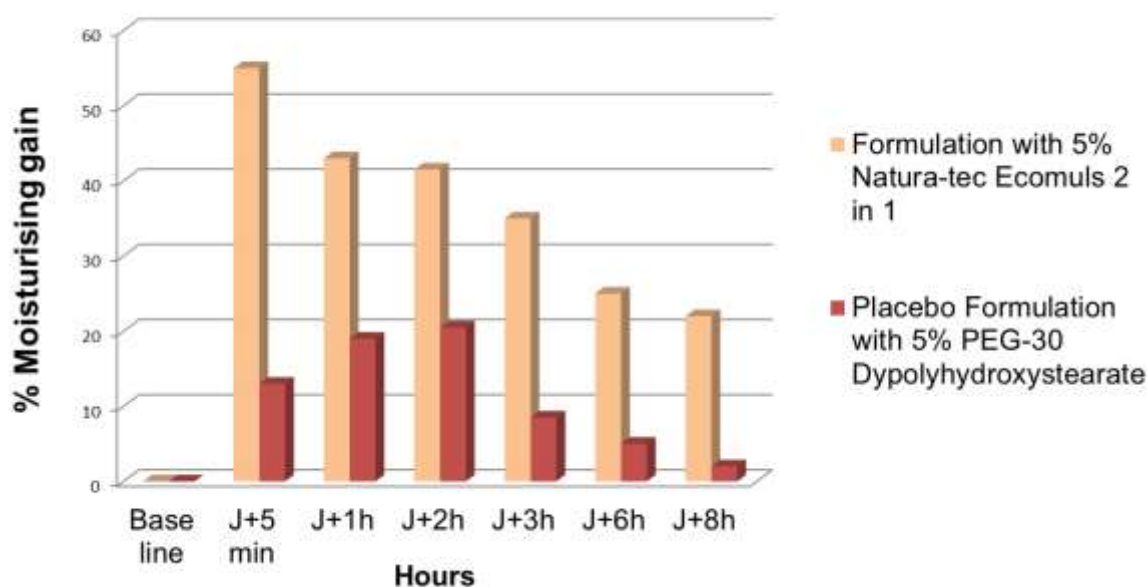


MOISTURIZING STUDY

A formulation containing 5% of **Natura-tec Ecomuls 2 in 1** has been compared with a formulation containing 5% of a synthetic W in O emulsifier.

With a single application, **Natura-tec Ecomuls 2 in 1** offers an immediate (after 5 minutes) and a long lasting moisturising effect up to 20% after 8 hours.

In-vivo corneometer test on 10 volunteers.



This document completes the product technical and safety data sheet. Information contained in this notice are based on our current knowledge and relate to the product in the state in which it is delivered

This certificate does not exempt or prevent the user to test under its own responsibility the material described in the document