



FILLING GUIDE

Questionnaire for non-organic raw material checking according to the COSMOS STANDARD

<http://ap.ecocert.com/rmq/>

This is a filling guide for the COSMOS Questionnaire; it will help you to complete this form.

I General information about your company and your product	
COMMERCIAL NAME:	<input type="text" value="Commercial Name"/>
A - MANUFACTURER COMPANY	
Name:	<input type="text" value="Name"/>
Address:	<input type="text" value="Address"/>
Post code:	<input type="text" value="Post Code"/>
City:	<input type="text" value="City"/>
Country:	<input type="text" value="Country"/>
Contact person:	<input type="text" value="Person"/>
Tel:	<input type="text" value="+336"/>
Fax:	<input type="text" value="+335"/>
Email:	<input type="text" value="alexandre.alard@ecocert.com"/>
B - SUPPLIER / DISTRIBUTOR (if different)	
Name:	<input type="text" value="Supplier Name"/>
Address:	<input type="text" value="Supplier Address"/>
Post code:	<input type="text" value="Supplier Post"/>
City:	<input type="text" value="Supplier City"/>
Country:	<input type="text" value="Supplier Country"/>
Contact person:	<input type="text" value="Supplier Person"/>
Tel:	<input type="text" value="+341"/>
Fax:	<input type="text" value="+351"/>
Email:	<input type="text" value="supplier@mail.com"/>
C - GENERAL TECHNICAL INFORMATION ABOUT THE PRODUCT	
INCI denomination:	<input type="text" value="glyceryl stearate & helianthus annus s"/>
CAS Number :	<input type="text" value="13214564"/>
Category / Function:	<input type="text" value="active"/>
Chemical formula:	<input type="text" value="C4H8O2"/>

D - PREVIOUSLY FILLED IN QUESTIONNAIRE

- 1** You have never completed a RMQ (Raw material questionnaire) for this ingredient
- 2** You have already completed a RMQ but the old ECOCERT version
- 3** You have already completed a RMQ but the old ECOCERT new version or the old version plus the light questionnaire

Following your answer, please join the previously completed Ecocert questionnaires File: Aucun fi... choisi

E - GENERAL COMPOSITION OF THE PRODUCT

Your raw material contains:

Chemically processed ingredients:
(see chemical processes listed in Appendix II) Yes No

Physically processed ingredients:
(see physical processes listed in Appendix I) Yes No

Additives: Yes No

- 1-** If your ingredient is a new ingredient regarding both the Ecocert and the Cosmos standards and you never filled in a questionnaire, please choose the first proposition.
- 2-** If you already filled in an questionnaire but only the Ecocert first basic version (4 pages, code F-PIC-018), please choose the second proposition.(and join the document)
- 3-** If you already filled in a questionnaire, the Ecocert new version (7 pages, code F349(GC))or the Ecocert first basic version (4 pages, code F-PIC-018) plus the "light COSMOS questionnaire ", please choose the third proposition. (and join the documents)

Please precise if your product contains chemically processed ingredients and/or physically processed ingredients and/without additives. (for example, if your product does not contain physically processed ingredients, the corresponding questions won't appear). If at least one chemical reaction (listed in appendix II) is involved in the manufacturing process of your product, it will be considered as a chemically processed ingredient.

Anytime you'll be asked to attach a document, this document will be added to a final zip archive file with the questionnaire you're filling.

~

Please don't forget to join **Technical Data Sheet (TDS)** and **Material Safety Data Sheet (MSDS)** of the product.

~

Please mention ALL the ingredients composing your product

Please make your choice below:

- [You have **never completed a RMQ** \(Raw material questionnaire\) for this ingredient](#)
 - [You have already completed a RMQ but the **old ECOCERT version**](#)
 - [You have already completed a RMQ but the **old ECOCERT new version** or the old version plus the light questionnaire](#)
 - [You have to **edit the questionnaire**](#)
-

FILLING GUIDE FOR A COMPLETE QUESTIONNAIRE

II.	Reagents origin and manufacturing processes	4
1.	Chemically processed ingredients	4
A.	Origin of reagents and solvents used for manufacturing	4
B.	Origin of manufacturing auxiliaries.....	6
C.	Manufacturing process of the product to be validated	7
D.	General questions regarding the green chemistry principles.....	8
E.	Other questions	8
2.	Physically processed ingredients.....	9
A.	Plant ingredients	9
B.	Animal origin ingredients.....	11
C.	Mineral origin ingredients	12
D.	Manufacturing process of the product.....	13
3.	Additives	13
III.	Environmental data.....	13
IV.	Additional questions	14
V.	Commitment.....	14

II. Reagents origin and manufacturing processes

1. Chemically processed ingredients

II – Reagents origin and manufacturing processes:

II.1 Chemically processed ingredients:

List all the chemically processed ingredients of your product (separated by comma):

Glyceryl Stearate

A. Origin of reagents and solvents used for manufacturing

In this step please precise all the reactants and solvents involved on the manufacturing process of your Chemically Processed Ingredients (CPI).

II.1.A - Origin and obtention process of Reactants / solvents (the questions below should be filled in for all reactants of all chemically processed ingredients)

Chemical name and CAS of the reactant / solvent: (ingredients of a substrate are also considered as reactant in the case of fermentation)

Origin of the reactant (percentage)

Vegetable*:

Animal:

Mineral:

Petrochemical**:

Manufacturing process:

Contained Additives(antioxidants, preservatives etc.)

Name and CAS:

%:

*All plants used as raw materials for reagents or solvents used for manufacturing should meet the CITES requirements (Convention on International Trade in Endangered Species of Wild Fauna and Flora).
**Only preservatives listed in Appendix I and ingredient containing petrochemical moieties listed in Appendix VI are authorized.

Have you other reactants or solvent used for manufacturing the different chemically processed ingredients of your product?

For example if your product is composed with 2 CPIs and each one comes from the combination of 2 reactants:
-CPI 1: reactant 1 + reactant 2
-CPI 2: reactant 3 + reactant 4
This page has to be filled for each reactant, that means for reactants 1, 2, 3 and 4.

Once the page is filled in entirely for a reactant, please click on YES to pass to the next reactant.

List of solvents ingredients present in the product							
Chemical name	Vegetable	Animal	Mineral	Petrochemical	Name and cas	%	Manufacturing process
Glycerol	100	0	0	0			saponification of vegetable oil by sodium hydroxyde

II.1.A - Origin and obtention process of Reactants / solvents (the questions below should be filled in for all reactants of all chemically processed ingredients)

Chemical name and CAS of the reactant / solvent: (ingredients of a substrate are also considered as reactant in the case of fermentation)

Origin of the reactant (percentage)

Vegetable*:

Animal:

Mineral:

Petrochemical**:

Manufacturing process:

Contained Additives(antioxidants, preservatives etc.)

Name and CAS:

%:

*All plants used as raw materials for reagents or solvents used for manufacturing should meet the CITES requirements (Convention on International Trade in Endangered Species of Wild Fauna and Flora).
**Only preservatives listed in Appendix I and ingredient containing petrochemical moieties listed in Appendix VI are authorized.

Have you other reactants or solvent used for manufacturing the different chemically processed ingredients of your product?

Once the previous page is filled in entirely for a reactant, this table summarizes the registration. It will be the case for each reactant/solvent.

*All plants used as raw materials for reagents or solvents used for manufacturing should meet the CITES requirements (Convention on International Trade in Endangered Species of Wild Fauna and Flora).
**Only preservatives listed in Appendix I and ingredient containing petrochemical moieties listed in Appendix VI are authorized.

II.1.A - Origin and obtention process of Reactants / solvents (the questions below should be filled in for all reactants of all chemically processed ingredients)

Indicate for each of the following processes whether it enters in the manufacturing process of the reactants or solvents used for the synthesis of the different chemically processed ingredients

Ethoxylation: Yes No
 Irradiation: Yes No
 Sulfonation: Yes No
 Techniques using genetic manipulations: Yes No
 Ethylene oxide treatment: Yes No
 Treatment using mercury: Yes No
 Petrochemical catalysis: Yes No
 Extraction: Yes No

Do you recover or recycle solvents used to extract/manufacture/purify your reactants ?

Please declare in this part if the proposed processes are used to produce previously declared reactants/solvents.

(Specify the solvents used for extraction and its origin):

natural ethanol

Solvent Recovery (Extracting agent removal) ? Yes No
 Do you use the following products among your reagents (MEA, DEA, TEA) ? Yes No
 Are all raw materials in biotechnologic processes GMO free ? Yes No

Monoethanolamine, Diethanolamine, Triethanolamine

Submit

B. Origin of manufacturing auxiliaries

II.1.B - Origin of the manufacturing auxiliaries

Indicate whether the following processes enter in the production process of the auxiliaries to manufacture the chemically processed ingredients (pH adjuster, catalyst ...)

Ethoxylation: Yes No
 Irradiation: Yes No
 Sulfonation: Yes No
 Techniques using genetic manipulations: Yes No
 Ethylene oxide treatment: Yes No
 Treatment using mercury: Yes No
 Extraction: Yes No

(Specify the solvents used for extraction):

NONE

Solvent Recovery (Extracting agent removal) ? Yes No
 Do you use the following products among your reagents (MEA, DEA, TEA) ? Yes No

Please declare in this part if the proposed processes are used to make the manufacturing auxiliaries used for the synthesis of the CPI.

Submit

C. Manufacturing process of the product to be validated

II.1.C - Manufacturing process of the chemically processed ingredients

Manufacturing process description

Esterification of acid stearic & glycerol

Flowchart: Choisissez un fichier Aucun fi... choisi

Yes No

No mineral ingredient

File: Choisissez un fichier Aucun fi... choisi

In case of mineral origin ingredient, must these ingredients, as part as this commercial reference, be labelled as nanoparticles on the cosmetic products according to the 1223/2009/CE European Cosmetic Regulation definition ?:

If yes, which one:

Enclose MSDS or granulometric analysis indicating minimum partide size for TiO2, ZnO, CeO2, Silica:

Indicate for each of the following processes whether it enters in the synthesis of the different chemical processed ingredients

Ethoxylation:

Yes No

Irradiation:

Yes No

Sulfonation:

Yes No

Techniques using genetic manipulations:

Yes No

Quaternization:

Yes No

Ethylene oxide treatment:

Yes No

Treatment using mercury:

Yes No

Petrochemical catalysis:

Yes No

Use of solvents for the manufacturing and the purification of your chemically transformed ingredient:

Yes No

In that case, do you use aromatic, halogenated, sulfured, or nitrogenated solvents ?:

Yes No

Solvent Recovery (Extracting agent removal):

Yes No

Specify the solvents used for extraction:

Natural Ethanol (fermation of cane sugare)

Hydrogenation:

Yes No

Hydrolysis:

Yes No

Esterification:

Yes No

Etherification:

Yes No

Sulphatation:

Yes No

Biotechnological processes:

Yes No

Fermentation: List the components of the fermentation medium and their origin (Ex:Vitamin , natural origin):

No fermentation

Cellular Culture: List the components of the growing medium and their origin:

No cellular culture

Indicate the percentage of Active Matter of your chemically processed ingredient:

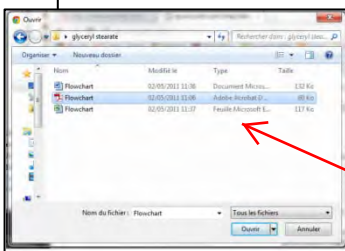
96

Submit

A flow chart can be attached

please attach the file of the particle size distribution and the analysis.

In this case the chemically processed ingredient is contained at 96% on the product.



this window is opened when you want to add a document. You can add this type of file : Word, Excel, Image, PDF

D. General questions regarding the green chemistry principles

II.1.D - General questions regarding the green chemistry principles

Atoms economy principle: last reaction's output (must be specified for all chemically processed agro-ingredients) R= (mass of the wanted product/mass of all products)* 100 - What is the result ?

During the manufacturing of your chemically processed ingredient, are there here temporary modifications (e.g. protection/deprotection of functional groups) ?

Have you set up a procedure to reduce the number of these temporary modifications ?

Do the manufactured ingredient meet the requirement of the Cosmos Standard as regards biodegradability and aquatic toxicity ?

R (glyceryl stearate) = 78%

Yes No

Yes No

Yes No

Submit

If your product is a mix of 2 CPI (CPI 1 and CPI 2) please mention the output of the last reaction of the synthesis of CPI 1 and the output of the last reaction of CPI 2

Substances, known to be bio-accumulative and not biodegradable (do not pass OECD 301; => TEGEWA classification III = high waste water impact) are prohibited

1) Minimum requirement for Aquatic toxicity: LC50, EC50, IC50 > 1 mg/l
 2) Relation of biodegradability to aquatic toxicity:
 - Aquatic Toxicity: EC50 > 10 mg/l (daphnia)
 - Biodegradability: > 70 % (or 60 % if CO2 produced is measured) (OECD 301)
 or
 - Aquatic Toxicity: EC50 = 1-10 mg/l (daphnia)
 - Biodegradability: > 95% (OECD 302); > 70 % (or 60 % if CO2 produced is measured) (OECD 301)
 please see the technical guide (www.cosmos-standard.org)
 please see page 7 of the COSMOS standard for more information.

E. Other questions

Other questions

1) If your ingredient is constituted or contains a synthetic moiety as authorized in the Standard, appendix VI, specify hereby the presence percentage of this moiety (on the active matter Molecular Weight), as well as the ingredient involved:

Example : Cocoamidopropylbetaine CAS N° 61789-40-0, Molecular Weight: 342 Synthetic Moiety :Molecular weight : 159 Petrochemical % = 159/342 = 45.2 %

Submit

the synthetic moiety corresponds to the molecular weight of the atoms coming from synthetic ingredients.
 The final % is the ratio (synthetic atoms/total of the atoms of the ingredient).
 This calculation can be made with weight ratio instead of molecular weight.

Other questions

If your product contain a additive, please complete this form, else click

Additives : List of additives (antioxidants, preservatives etc.) contained in the chemically processed ingredients. Add lines if necessary

Name and CAS:

Function:

Origin: Natural Synthetic

Percentage:

Any other additives used ?

to mention the manufacturing process of the additives.

2. Physically processed ingredients

A. Plant ingredients

Physically Processed Ingredients (PPI) represents three categories of ingredients:
 -plant ingredients (**PPAI**)
 -animal ingredients
 -mineral ingredients

click on **Next** if your product does not contain plant ingredient.

II.2 Physically processed ingredients

II.2.A - Plant ingredients

If your product contains a plant ingredient, please complete this form, else click

List here all the plant ingredients present in the product, their percentages and the manufacturing processes involved in their preparation.

Name:

Percentage:

Manufacturing process:

Additives of your physically processed agro-ingredient

Chemical name:

% of additive:

Origin: Natural Synthetic

Any other plant ingredient used ?

Once the page is filled in entirely for a kind of ingredient, please click on:
 -YES, to pass to the next plant ingredient
 -NO, to pass to the final set of questions concerning the plant ingredients
 The instructions are the same for animal ingredients and mineral ingredients

This table registers and summarizes the data of the previous page. Each new plant ingredient registered will be added to this table. This is similar for animal ingredients and mineral ingredients

II.2 Physically processed ingredients

II.2.A - Plant ingredients

List of plants ingredients present in the product					
Name	Percentage	Manufacturing process	Chemical name	%	Origin
helianthus annuus (sunflower) seed oil	50	cold pressing of vegetable			

If your product contains a plant ingredient, please complete this form, else click

List here all the plant ingredients present in the product, their percentages and the manufacturing processes involved in their preparation.

Name:

Percentage:

Manufacturing process:

Additives of your physically processed agro-ingredient

Chemical name:

% of additive:

Origin: Natural Synthetic

Any other plant ingredient used ?

II.2 Physically processed ingredients

II.2.A - Plant ingredients

Has a solvent of petrochemical origin been used for obtaining these ingredients: Yes No

If yes, which one ? :

Are any of the ingredients listed above irradiated ? : Yes No

If yes, which one ? :

For all these plant/animal ingredients, do you plan a solvent recovery (Extracting agent removal): Yes No

click on **Submit** to pass to the next category: the animal ingredients

B. Animal origin ingredients

click on **Next** if your product does not contain any animal ingredient

II.2 Physically processed ingredients :

II.2.B – Animal Ingredients :

If your product contains an animal origin ingredient, please complete this form, else click

List here all the ingredients from animal origin present in the product and their percentages.

Name:

Percentage:

Manufacturing process:

Additives of your physically processed animal ingredient

Chemical name:

%:

Origin: Natural Synthetic

Any other animal ingredient used ?

II.2 Physically processed ingredients

II.2.B - Animal origin ingredients

Are the ingredients listed above entailing the death of the animal ?:

Yes No

Has a solvent of petrochemical origin been used for obtaining these ingredients:

Yes No

If yes, which one ?:

Are any of the ingredients listed above irradiated ?:

Yes No

If yes, which one ?:

For all these plant/animal ingredients, do you plan a solvent recovery (Extracting agent removal):

Yes No

click on **Submit** to pass to the next category: the mineral ingredients

C. Mineral origin ingredients

click on **Next** if your product does not contain any mineral ingredient.

Physically processed ingredients :

II.2.C – Mineral ingredients :

If your product contains a mineral ingredient, please complete this form, else click

List here all the minerals (or the ingredients from mineral origin) present in product, their percentages and the physical processes involved in their preparation.

Name:

Percentage:

Manufacturing process:

Impurities of your physically processed mineral ingredient

Chemical name:

ppm:

Any other mineral ingredient used ?

Physically processed ingredients

II.2.C – Mineral ingredients

Are any of the ingredients listed above irradiated ?:

Yes No

If yes, which one ?:

Are all the ingredients listed above present in the appendix IV of the Standard ?:

Yes No

If no, which one ?:

Must these ingredients, as part as this commercial reference, be labelled as nanoparticles on the cosmetic products according to the 1223/2009/CE European Cosmetic Regulation definition ?:

Yes No

If yes, which one ?:

Enclose MSDS or granulometric analysis indicating minimum particle size for TiO₂, ZnO, CeO₂, Silica):

Aucun fi... choisi

click on **Submit** to pass to the next step

please attach the file of the particle size distribution and the analysis.

D. Manufacturing process of the product

Physically processed ingredients :

II.2.D – Manufacturing process of the product to be validated:

Manufacturing process description:

mixing of all ingredient --> filtration

Choisissez un fichier | Aucun fi... choisi

Submit

please indicate this manufacturing process when the final product is only composed with Physically Processed Ingredients

A flow chart can be attached

3. Additives

II.3 Additives of the product (preservatives, antioxidants etc.):

List here all additives present in your manufactured ingredient and their percentage. Add lines if necessary:

Name and CAS: sodium benzoate

Function: Preservative

Origin: Natural Synthetic

%: 1

Manufacturing process: neutralization of benzoic acid with sodium hydroxide

Any other additive used ? Yes No

This step concerns the additives added intentionally on the product not the ones contained directly on the different ingredients composing the product. (which should be already declared previously)

to mention the manufacturing process of the additives.

III. Environmental data

III - Environmental data

General

Have you evaluated and established a procedure for limiting accident risks (human and environmental) ? Yes No

If yes, please detail these measures: ISO 18001

Have you evaluated and established a procedure for the management of waste production (recycling and others) in the manufacturing of this raw material or for your manufacturing plant in general? Yes No

If yes, please detail these measures: ISO 14001

Have you evaluated and established a procedure for energy economy in the manufacturing of this ingredient or for your manufacturing plant in general? Yes No

If yes, please detail these measures: Solar Energy

Submit

IV. Additional questions

IV – Additional questions

All plants used as raw materials should meet the CITES requirements (Convention on International Trade in Endangered Species of Wild Fauna and Flora).
 Join, for all plants used as reactants or physically processed ingredient, your declaration indicating:

- plant name
- origin of plant (country)
- GMO statement(s)

Do you use palm oil as reactant or plant ingredient in your product: Yes No

In the case of risky reactant/raw material use regarding biodiversity such as palm oil, please forward your attestation stating your suppliers is under RPSO certification (or equivalent):

V. Commitment

I undersigned , representing the company declare that the information given in this questionnaire is correct.

Issued in, .

Compulsory signature (only jpg file)

Enter the mention « read and approved »

Please don't forget the signature otherwise the questionnaire could not be accepted.
 If you do not own your signature on jpg file, the questionnaire must be printed, signed and scanned.

after clicking on **Submit**, you'll be directed to a window to download the questionnaire.

It was the final step.

However, if you want to make some corrections or changes on the questionnaire, it is possible.
 After downloading the questionnaire you'll receive an email with a code and a link to an "edition mode".
 This edition mode could allow you to make changes on the pages you need.

Filling Guide for additional questions if you have already complete the old ECOCERT Questionnaire

II.	Reagents origin and manufacturing processes	15
1.	Chemically processed ingredients	15
A.	Origin of reagents and solvents used for manufacturing	15
B.	Origin of manufacturing auxiliaries.....	17
C.	Manufacturing process of the product to be validated	17
D.	General questions regarding the green chemistry principles.....	18
E.	Other questions	18
2.	Physically processed ingredients.....	19
A.	Plant ingredients	19
B.	Animal origin ingredients.....	21
C.	Mineral origin ingredients	22
D.	Manufacturing process of the product.....	23
3.	Additives	23
III.	Environmental data.....	23
IV.	Additional questions	24
V.	Commitment.....	24

II. Reagents origin and manufacturing processes

1. Chemically processed ingredients

II – Reagents origin and manufacturing processes:

II.1 Chemically processed ingredients:

List all the chemically processed ingredients of your product (separated by comma):

Glyceryl Stearate

A. Origin of reagents and solvents used for manufacturing

In this step please precise all the reactants and solvents involved on the manufacturing process of your **Chemically Processed Ingredients (CPI)**.

II.1.A - Origin and obtention process of Reactants / solvents (the questions below should be filled in for all reactants of all chemically processed ingredients)

Chemical name and CAS of the reactant / solvent: (ingredients of a substrate are also considered as reactant in the case of fermentation)

Origin of the reactant (percentage)

Vegetable*:

Animal:

Mineral:

Petrochemical**:

Manufacturing process:

Contained Additives(antioxidants, preservatives etc.)

Name and CAS:

%:

*All plants used as raw materials for reagents or solvents used for manufacturing should meet the CITES requirements (Convention on International Trade in Endangered Species of Wild Fauna and Flora).
 **Only preservatives listed in Appendix I and ingredient containing petrochemical moieties listed in Appendix VI are authorized.

Have you other reactants or solvent used for manufacturing the different chemically processed ingredients of your product?

For example if your product is composed with 2 CPIs and each one comes from the combination of 2 reactants:
 -CPI 1: reactant 1 + reactant 2
 -CPI 2: reactant 3 + reactant 4
 This page has to be filled for each reactant, that means for reactants 1, 2, 3 and 4.

Once the page is filled in entirely for a reactant, please click on YES to pass to the next reactant.

List of solvents ingredients present in the product

Chemical name	Vegetable	Animal	Mineral	Petrochemical	Name and cas	%	Manufacturing process
Glycerol	100	0	0	0			saponification of vegetable oil by sodium hydroxyde

II.1.A - Origin and obtention process of Reactants / solvents (the questions below should be filled in for all reactants of all chemically processed ingredients)

Chemical name and CAS of the reactant / solvent: (ingredients of a substrate are also considered as reactant in the case of fermentation)

Origin of the reactant (percentage)

Vegetable*:

Animal:

Mineral:

Petrochemical**:

Manufacturing process:

Contained Additives(antioxidants, preservatives etc.)

Name and CAS:

%:

*All plants used as raw materials for reagents or solvents used for manufacturing should meet the CITES requirements (Convention on International Trade in Endangered Species of Wild Fauna and Flora).
 **Only preservatives listed in Appendix I and ingredient containing petrochemical moieties listed in Appendix VI are authorized.

Have you other reactants or solvent used for manufacturing the different chemically processed ingredients of your product?

Once the previous page is filled in entirely for a reactant, this table summarizes the registration. It will be the case for each reactant/solvent.

II.1.A - Origin and obtention process of Reactants / solvents (the questions below should be filled in for all reactants of all chemically processed ingredients)

Indicate for each of the following processes whether it enters in the manufacturing process of the reactants or solvents used for the synthesis of the different chemically processed ingredients

- Petrochemical catalysis: Yes No
 Solvent Recovery (Extracting agent removal)?: Yes No
 Are all raw materials in biotechnologic processes GMO free?: Yes No

Submit

do you recover or recycle solvents used to extract/manufacture/purify your reactants ?

Please declare in this part if the proposed processes are used to produce previously declared reactants/solvents.

B. Origin of manufacturing auxiliaries

II.1.B - Origin of the manufacturing auxiliaries

Indicate whether the following processes enter in the production process of the auxiliaries to manufacture the chemically processed ingredients (pH adjuster, catalyst ...)

- Solvent Recovery (Extracting agent removal)?: Yes No

Submit

Please declare in this part if the proposed processes are used to make the manufacturing auxiliaries used for the synthesis of the CPI.

C. Manufacturing process of the product to be validated

II.1.C - Manufacturing process of the chemically processed ingredients

Manufacturing process description

Esterification of acid stearic & glycerol

Flowchart: Aucun fi... choisi

- Yes No

No mineral ingredient

File: Aucun fi... choisi

- Yes No
 Yes No
 Yes No
 Yes No

Natural Ethanol from fermentation sugar

- Yes No

No fermentation

No cellular culture

In case of mineral origin ingredient, must these ingredients, as part as this commercial reference, be labelled as nanoparticles on the cosmetic products according to the 1223/2009/CE European Cosmetic Regulation definition ?:

If yes, which one:

Enclose MSDS or granulometric analysis indicating minimum particle size for TiO2, ZnO, CeO2, Silica:

Petrochemical catalysis:

Use of solvents for the manufacturing and the purification of your chemically transformed ingredient:

In that case, do you use aromatic, halogenated, sulfured, or nitrogened solvents ?:

Solvent Recovery (Extracting agent removal):

Specify the solvents used for extraction:

Biotechnological processes:

Fermentation: List the components of the fermentation medium and their origin (Ex:Vitamin , natural origin):

Cellular Culture: List the components of the growing medium and their origin:

Indicate the percentage of Active Matter of your chemically processed ingredient:

96

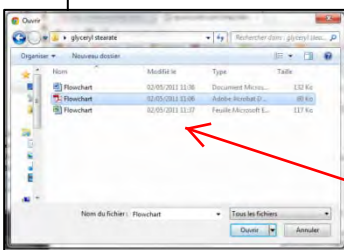
Submit

A flow chart can be attached

please attach the file of the particle size distribution and the analysis.

In this case the chemically processed ingredient is contained at 96% on the product.

this window is opened when you want to add a document. You can add this type of file : Word, Excel, Image, PDF



D. General questions regarding the green chemistry principles

II.1.D - General questions regarding the green chemistry principles

Atoms economy principle: last reaction's output (must be specified for all chemically processed agro-ingredients) $R = (\text{mass of the wanted product} / \text{mass of all products}) * 100$ - What is the result ?

During the manufacturing of your chemically processed ingredient, are there here temporary modifications (e.g. protection/deprotection of functional groups) ?

Have you set up a procedure to reduce the number of these temporary modifications ?

Do the manufactured ingredient meet the requirement of the Cosmos Standard as regards biodegradability and aquatic toxicity ?

R (glyceryl stearate) = 78%

Yes No

Yes No

Yes No

Submit

If your product is a mix of 2 CPI (CPI 1 and CPI 2) please mention the output of the last reaction of the synthesis of CPI 1 and the output of the last reaction of CPI 2

Substances, known to be bio-accumulative and not biodegradable (do not pass OECD 301; => TEGEWA classification III = high waste water impact) are prohibited

1) Minimum requirement for Aquatic toxicity: LC50, EC50, IC50 > 1 mg/l
 2) Relation of biodegradability to aquatic toxicity:
 - Aquatic Toxicity: EC50 > 10 mg/l (daphnia)
 - Biodegradability: > 70 % (or 60 % if CO2 produced is measured) (OECD 301)
 or
 - Aquatic Toxicity: EC50 = 1-10 mg/l (daphnia)
 - Biodegradability: > 95% (OECD 302); > 70 % (or 60 % if CO2 produced is measured) (OECD 301)
 please see the technical guide (www.cosmos-standard.org)
 please see page 7 of the COSMOS standard for more information.

E. Other questions

Other questions

1) If your ingredient is constituted or contains a synthetic moiety as authorized in the Standard, appendix VI, specify hereby the presence percentage of this moiety (on the active matter Molecular Weight), as well as the ingredient involved:

Example : Cocoamidopropylbetaine CAS N° 61789-40-0, Molecular Weight: 342 Synthetic Moiety :Molecular weight : 159 Petrochemical % = $159/342 = 45.2\%$

Submit

the synthetic moiety corresponds to the molecular weight of the atoms coming from synthetic ingredients.
 The final % is the ratio (synthetic atoms/total of the atoms of the ingredient).
 This calculation can be made with weight ratio instead of molecular weight.

Other questions

If your product contain a additive, please complete this form, else click

Additives : List of additives (antioxidants, preservatives etc.) contained in the chemically processed ingredients. Add lines if necessary

Name and CAS: Sodium Benzoate

Function: Preservative

Origin: Natural Synthetic

Percentage: 0.02

Any other additives used ?

to mention the manufacturing process of the additives.

2. Physically processed ingredients

A. Plant ingredients

Physically Processed Ingredients (PPI) represents three categories of ingredients:
 -plant ingredients (**PPAI**)
 -animal ingredients
 -mineral ingredients

click on **Next** if your product does not contain plant ingredient.

II.2 Physically processed ingredients

II.2.A - Plant ingredients

If your product contains a plant ingredient, please complete this form, else click

List here all the plant ingredients present in the product, their percentages and the manufacturing processes involved in their preparation.

Name:

Percentage:

Manufacturing process:

Additives of your physically processed agro-ingredient

Chemical name:

% of additive:

Origin: Natural Synthetic

Any other plant ingredient used ?

Once the page is filled in entirely for a kind of ingredient, please click on:
 -YES, to pass to the next plant ingredient
 -NO, to pass to the final set of questions concerning the plant ingredients
 The instructions are the same for animal ingredients and mineral ingredients

This table registers and summarizes the data of the previous page. Each new plant ingredient registered will be added to this table. This is similar for animal ingredients and mineral ingredients

II.2 Physically processed ingredients

II.2.A - Plant ingredients

List of plants ingredients present in the product					
Name	Percentage	Manufacturing process	Chemical name	%	Origin
helianthus annuus (sunflower) seed oil	50	cold pressing of vegetable			

If your product contains a plant ingredient, please complete this form, else click

List here all the plant ingredients present in the product, their percentages and the manufacturing processes involved in their preparation.

Name:

Percentage:

Manufacturing process:

Additives of your physically processed agro-ingredient

Chemical name:

% of additive:

Origin: Natural Synthetic

Any other plant ingredient used ?

II.2 Physically processed ingredients

II.2.A - Plant ingredients

Has a solvent of petrochemical origin been used for obtaining these ingredients: Yes No

If yes, which one ? :

Are any of the ingredients listed above irradiated ? : Yes No

If yes, which one ? :

For all these plant/animal ingredients, do you plan a solvent recovery (Extracting agent removal): Yes No

click on **Submit** to pass to the next category: the animal ingredients

B. Animal origin ingredients

click on **Next** if your product does not contain any animal ingredient

II.2 Physically processed ingredients :

II.2.B – Animal Ingredients :

If your product contains an animal origin ingredient, please complete this form, else click

List here all the ingredients from animal origin present in the product and their percentages.

Name:

Percentage:

Manufacturing process:

Additives of your physically processed animal ingredient

Chemical name:

%:

Origin: Natural Synthetic

Any other animal ingredient used ?

II.2 Physically processed ingredients

II.2.B - Animal origin ingredients

Are the ingredients listed above entailing the death of the animal ?:

Has a solvent of petrochemical origin been used for obtaining these ingredients:

If yes, which one ?:

Are any of the ingredients listed above irradiated ?:

If yes, which one ?:

For all these plant/animal ingredients, do you plan a solvent recovery (Extracting agent removal):

Yes No

Yes No

Yes No

Yes No

Yes No

click on **Submit** to pass to the next category: the mineral ingredients

C. Mineral origin ingredients

click on **Next** if your product does not contain any mineral ingredient.

Physically processed ingredients :

II.2.C – Mineral ingredients :

If your product contains a mineral ingredient, please complete this form, else click

List here all the minerals (or the ingredients from mineral origin) present in product, their percentages and the physical processes involved in their preparation.

Name:

Percentage:

Manufacturing process:

Impurities of your physically processed mineral ingredient

Chemical name:

ppm:

Any other mineral ingredient used ?

Physically processed ingredients

II.2.C – Mineral ingredients

Are any of the ingredients listed above irradiated ?:

Yes No

If yes, which one ?:

Are all the ingredients listed above present in the appendix IV of the Standard ?:

Yes No

If no, which one ?:

Must these ingredients, as part as this commercial reference, be labelled as nanoparticles on the cosmetic products according to the 1223/2009/CE European Cosmetic Regulation definition ?:

Yes No

If yes, which one ?:

Enclose MSDS or granulometric analysis indicating minimum particle size for TiO₂, ZnO, CeO₂, Silica):

Aucun fi... choisi

click on **Submit** to pass to the next step

please attach the file of the particle size distribution and the analysis.

D. Manufacturing process of the product

Physically processed ingredients :

II.2.D – Manufacturing process of the product to be validated:

Manufacturing process description:

mixing of all ingredient --> filtration

Choisissez un fichier | Aucun fi... choisi

Submit

please indicate this manufacturing process when the final product is only composed with Physically Processed Ingredients

A flow chart can be attached

3. Additives

II.3 Additives of the product (preservatives, antioxidants etc.):

List here all additives present in your manufactured ingredient and their percentage. Add lines if necessary:

Name and CAS: sodium benzoate

Function: Preservative

Origin: Natural Synthetic

%: 1

Manufacturing process: neutralization of benzoic acid with sodium hydroxide

Any other additive used ? Yes No

This step concerns the additives added intentionally on the product not the ones contained directly on the different ingredients composing the product. (which should be already declared previously)

to mention the manufacturing process of the additives.

III. Environmental data

III - Environmental data

General

Have you evaluated and established a procedure for limiting accident risks (human and environmental) ? Yes No

If yes, please detail these measures: ISO 18001

Have you evaluated and established a procedure for the management of waste production (recycling and others) in the manufacturing of this raw material or for your manufacturing plant in general? Yes No

If yes, please detail these measures: ISO 14001

Have you evaluated and established a procedure for energy economy in the manufacturing of this ingredient or for your manufacturing plant in general? Yes No

If yes, please detail these measures: Solar Energy

Submit

IV. Additional questions

IV – Additional questions

All plants used as raw materials should meet the CITES requirements (Convention on International Trade in Endangered Species of Wild Fauna and Flora).
 Join, for all plants used as reactants or physically processed ingredient, your declaration indicating:
 - plant name
 - origin of plant (country)
 - GMO statement(s)

Do you use palm oil as reactant or plant ingredient in your product: Yes No

In the case of risky reactant/raw material use regarding biodiversity such as palm oil, please forward your attestation stating your suppliers is under RPSO certification (or equivalent):

V. Commitment

I undersigned , representing the company declare that the information given in this questionnaire is correct.

Issued in, .

Compulsory signature (only jpg file) ~~Aucun fi... choisi~~

Enter the mention « read and approved »

Please don't forget the signature otherwise the questionnaire could not be accepted.
 If you do not own your signature on jpg file, the questionnaire must be printed, signed and scanned.

after clicking on **Submit**, you'll be directed to a window to download the questionnaire.

It was the final step.

However, if you want to make some corrections or changes on the questionnaire, it is possible.
 After downloading the questionnaire you'll receive an email with a code and a link to an "edition mode".
 This edition mode could allow you to make changes on the pages you need.

**Filling Guide for additional questions if you have already
complete the new ECOCERT Questionnaire**

II.	Reagents origin and manufacturing processes	26
1.	Chemically processed ingredients	26
A.	Origin of reagents and solvents used for manufacturing	26
B.	Origin of manufacturing auxiliaries.....	26
C.	Manufacturing process of the product to be validated	27
D.	General questions regarding the green chemistry principles.....	27
E.	Other questions	27
2.	Physically processed ingredients.....	28
A.	Plant ingredients	28
B.	Animal origin ingredients	28
C.	Mineral origin ingredients	29
D.	Manufacturing process of the product.....	29
3.	Additives	29
III.	Environmental data.....	30
IV.	Additional questions	30
V.	Commitment.....	30

II. Reagents origin and manufacturing processes

1. Chemically processed ingredients

In this step please precise all the reactants and solvents involved on the manufacturing process of your **Chemically Processed Ingredients (CPI)**.

II – Reagents origin and manufacturing processes:

II.1 Chemically processed ingredients:

List all the chemically processed ingredients of your product (separated by comma):

Glyceryl Stearate

Submit

For example if your product is composed with 2 CPIs and each one comes from the combination of 2 reactants:
 -CPI 1: reactant 1 + reactant 2
 -CPI 2: reactant 3 + reactant 4
 This page has to be filled for each reactant, that means for reactants 1, 2, 3 and 4.

A. Origin of reagents and solvents used for manufacturing

II.1.A - Origin and obtention process of Reactants / solvents (the questions below should be filled in for all reactants of all chemically processed ingredients)

Indicate for each of the following processes whether it enters in the manufacturing process of the reactants or solvents used for the synthesis of the different chemically processed ingredients

Petrochemical catalysis: Yes No
 Solvent Recovery (Extracting agent removal)?: Yes No

Submit

do you recover or recycle solvents used to extract/manufacture/purify your reactants ?

Please declare in this part if the proposed processes are used to produce previously declared reactants/solvents.

B. Origin of manufacturing auxiliaries

II.1.B - Origin of the manufacturing auxiliaries

Indicate whether the following processes enter in the production process of the auxiliaries to manufacture the chemically processed ingredients (pH adjuster, catalyst ...)

Solvent Recovery (Extracting agent removal)?: Yes No

Submit

Please declare in this part if the proposed processes are used to make the manufacturing auxiliaries used for the synthesis of the CPI.

C. Manufacturing process of the product to be validated

II.1.C - Manufacturing process of the chemically processed ingredients

Manufacturing process description

Esterification of acid stearic & glycerol

Flowchart: Aucun fi... choisi

Yes No

No mineral ingredient

File: Aucun fi... chois

Yes No

Yes No

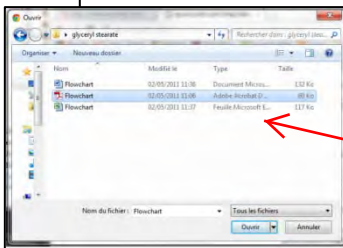
Yes No

No fermentation

No cellular culture

A flow chart can be attached

please attach the file of the particle size distribution and the analysis.



this window is opened when you want to add a document. You can add this type of file : Word, Excel, Image, PDF

D. General questions regarding the green chemistry principles

No question

E. Other questions

Other questions

If your product contain a additive, please complete this form, else click

Additives : List of additives (antioxidants, preservatives etc.) contained in the chemically processed ingredients. Add lines if necessary

Name and CAS:

Function:

Origin: Natural Synthetic

Percentage:

Any other additives used ?:

to mention the manufacturing process of the additives.

2. **Physically processed ingredients**

A. Plant ingredients

Physically Processed Ingredients (PPI) represents three categories of ingredients:
 -plant ingredients (**PPAI**)
 -animal ingredients
 -mineral ingredients

II.2 Physically processed ingredients

II.2.A - Plant ingredients

If your product contains a plant ingredient, please complete this form, else click

Remind here all the plant ingredients used in your products:

helianthus annuus seed oil, argan oil

click on **Next** if your product does not contain plant ingredient.

The instructions are the same for animal ingredients and mineral ingredients

II.2 Physically processed ingredients

II.2.A - Plant ingredients

For all these plant/animal ingredients, do you plan a solvent recovery (Extracting agent removal):

Yes No

B. Animal origin ingredients

II.2 Physically processed ingredients :

II.2.B - Animal Ingredients :

If your product contains an animal origin ingredient, please complete this form, else click

Remind here all the animal ingredients used in your products:

mel

click on **Next** if your product does not contain any animal ingredient

II.2 Physically processed ingredients

II.2.B - Animal origin ingredients

For all these plant/animal ingredients, do you plan a solvent recovery (Extracting agent removal):

Yes No

C. Mineral origin ingredients

Physically processed ingredients :

II.2.C – Mineral ingredients :

If your product contains a mineral ingredient, please complete this form, else click **Next**

Remind here all the mineral ingredients used in your products:

Titanium dioxide

Submit

click on **Next** if your product does not contain any mineral ingredient.

Physically processed ingredients

II.2.C – Mineral ingredients

Enclose MSDS or granulometric analysis indicating minimum particle size for TiO₂, ZnO, CeO₂, Silica):

Choisissez un fichier Aucun fi... choisi

Submit

please attach the file of the particle size distribution and the analysis.

D. Manufacturing process of the product

Physically processed ingredients :

II.2.D – Manufacturing process of the product to be validated:

Manufacturing process description:

mixing of all ingredient --> filtration

Choisissez un fichier Aucun fi... choisi

Submit

please indicate this manufacturing process when the final product is only composed with Physically Processed Ingredients

A flow chart can be attached

3. **Additives**

II.3 Additives of the product (preservatives, antioxidants etc.):

List here all additives present in your manufactured ingredient and their percentage. Add lines if necessary:

Name and CAS: sodium benzoate

Function: Preservative

Origin: Natural Synthetic

%: 1

Manufacturing process: neutralization of benzoic acid with sodium hydroxide

other additive used ? Yes No

This step concerns the additives added intentionally on the product not the ones contained directly on the different ingredients composing the product. (which should be already declared previously)

to mention the manufacturing process of the additives.

III. Environmental data

No question

IV. Additional questions

IV – Additional questions

All plants used as raw materials should meet the CITES requirements (Convention on International Trade in Endangered Species of Wild Fauna and Flora).
 Join, for all plants used as reactants or physically processed ingredient, your declaration indicating:

Aucun fi... choisi
 - plant name
 - origin of plant (country)
 - GMO statement(s)

Do you use palm oil as reactant or plant ingredient in your product: Yes No

In the case of risky reactant/raw material use regarding biodiversity such as palm oil, please forward your attestation stating your suppliers is under RPSO certification (or equivalent):

Aucun fi... choisi

V. Commitment

I undersigned , representing the company declare that the information given in this questionnaire is correct.

Issued in, .

Compulsory signature (only jpg file) Aucun fi... choisi

Enter the mention « read and approved »

Please don't forget the signature otherwise the questionnaire could not be accepted.
 If you do not own your signature on jpg file, the questionnaire must be printed, signed and scanned.

after clicking on **Submit**, you'll be directed to a window to download the questionnaire.

It was the final step.

However, if you want to make some corrections or changes on the questionnaire, it is possible.
 After downloading the questionnaire you'll receive an email with a code and a link to an "edition mode".
 This edition mode could allow you to make changes on the pages you need.

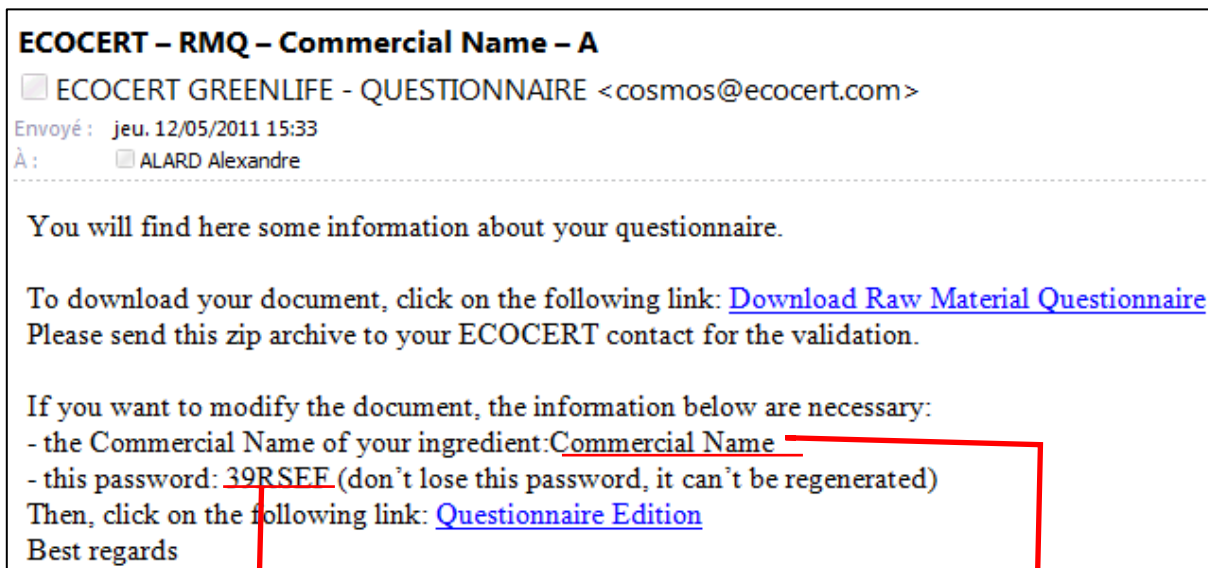
Filling Guide for the edition mode

In this part, you can edit and correct some parts of the questionnaire.

Be careful, the edition mode keeps in memory the choice of questionnaire you made (1, 2 or 3) and you will not be able to answer again every questions.

II.	Reagents origin and manufacturing processes.....	32
1.	Chemically processed ingredients	32
A.	Origin of reagents and solvents used for manufacturing	32
B.	Origin of manufacturing auxiliaries.....	34
C.	Manufacturing process of the product to be validated	35
D.	General questions regarding the green chemistry principles.....	36
E.	Other questions	36
2.	Physically processed ingredients.....	37
A.	Plant ingredients	37
B.	Animal origin ingredients	38
C.	Mineral origin ingredients	39
D.	Manufacturing process of the product.....	40
3.	Additives	41
III.	Environmental data.....	41
IV.	Additional questions	42
V.	Commitment.....	42

Email received once the questionnaire is filled



First page of the edition mode

Enter your commercial name:
 Commercial Name

Enter your password:

submit

II. Reagents origin and manufacturing processes

1. Chemically processed ingredients

II - Reagents origin and manufacturing processes:

II.1 Chemically processed ingredients:

List all the chemically processed ingredients of your product (separated by comma):

Glyceryl Stearate

Submit

A. Origin of reagents and solvents used for manufacturing

List of solvents ingredients present in the product						
Chemical name	Vegetable	Animal	Mineral	Petrochemical	Name and cas	%
Glycerol	100					
acid stearic	100					

Please choose to delete

Glycerol

Submit

Please choose to edition

acid stearic

Submit

If you have a other solvent, please complet this form, else click

II.1.A - Origin and obtention process of Reactants / solvents (the questions below should be filled in for all reactants of all chemically processed ingredients)

Chemical name and CAS of the reactant / solvent: (ingredients of a substrate are also considered as reactant in the case of fermentation)

Example Glycerol 56-81-5

Origin of the reactant (percentage)

Vegetable*:

Example 100

Animal:

Mineral:

Petrochemical**:

Manufacturing process:

Example saponification of a vegetable oil

Contained Additives(antioxidants, preservatives etc.)

Name and CAS:

%:

*All plants used as raw materials for reagents or solvents used for manufacturing should meet the CITES requirements (Convention on International Trade in Endangered Species of Wild Fauna and Flora).

**Only preservatives listed in Appendix I and ingredient containing petrochemical moieties listed in Appendix VI are authorized.

Have you other reactants or solvent used for manufacturing the different chemically processed ingredients of your product?

Once the page is filled in entirely for a reactant, please click on YES to pass to the next reactant.

Are you sure to delete the ingredient/solvent: Glycerol ?

II.1.A - Origin and obtention process of Reactants / solvents (the questions below should be filled in for all reactants of all chemically processed ingredients)

Chemical name and CAS of the reactant / solvent: (ingredients of a substrate are also considered as reactant in the case of fermentation):

Glycerol

Origin of the reactant (percentage)

Vegetable**:

100

Animal:

Mineral:

Petroch*:

Manufacturing process:

Saponification of vegetable oil

Contained Additives(antioxidants, preservatives etc.)

Name and CAS:

%:

*All plants used as raw materials for reagents or solvents used for manufacturing should meet the CITES requirements (Convention on International Trade in Endangered Species of Wild Fauna and Flora).

**Only preservatives listed in Appendix I and ingredient containing petrochemical moieties listed in Appendix VI are authorized.

II.1.A - Origin and obtention process of Reactants / solvents (the questions below should be filled in for all reactants of all chemically processed ingredients)

Indicate for each of the following processes whether it enters in the manufacturing process of the reactants or solvents used for the synthesis of the different chemically processed ingredients

Ethoxylation: Yes No
 Irradiation: Yes No
 Sulfonation: Yes No
 Techniques using genetic manipulations: Yes No
 Ethylene oxide treatment: Yes No
 Treatment using mercury: Yes No
 Petrochemical catalysis: Yes No
 Extraction: Yes No

(Specify the solvents used for extraction and its origin):

Solvent Recovery (Extracting agent removal) ? : Yes No
 Do you use the following products among your reagents (MEA, DEA, TEA) ? : Yes No
 Are all raw materials in biotechnologic processes GMO free ? : Yes No

natural ethanol

do you recover or recycle solvents used to extract/manufacture/purify your reactants ?

Please declare in this part if the proposed processes are used to produce previously declared reactants/solvents.

Monoethanolamine, Diethanolamine, Triethanolamine

Submit

B. Origin of manufacturing auxiliaries

II.1.B - Origin of the manufacturing auxiliaries

Indicate whether the following processes enter in the production process of the auxiliaries to manufacture the chemically processed ingredients (pH adjuster, catalyst ...)

Ethoxylation: Yes No
 Irradiation: Yes No
 Sulfonation: Yes No
 Techniques using genetic manipulations: Yes No
 Ethylene oxide treatment: Yes No
 Treatment using mercury: Yes No
 Extraction: Yes No

(Specify the solvents used for extraction):

NONE

Solvent Recovery (Extracting agent removal) ? : Yes No
 Do you use the following products among your reagents (MEA, DEA, TEA) ? : Yes No

Please declare in this part if the proposed processes are used to make the manufacturing auxiliaries used for the synthesis of the CPI.

Submit

C. Manufacturing process of the product to be validated

II.1.C - Manufacturing process of the chemically processed ingredients

Manufacturing process description

Esterification of acid stearic & glycerol

Flowchart: Aucun fi... choisi

In case of mineral origin ingredient, must these ingredients, as part as this commercial reference, be labelled as nanoparticles on the cosmetic products according to the 1223/2009/CE European Cosmetic Regulation definition ?:

Yes No

A flow chart can be attached

If yes, which one:

No mineral ingredient

Enclose MSDS or granulometric analysis indicating minimum partide size for TiO2, ZnO, CeO2, Silica:

File: Aucun fi... choisi

please attach the file of the particle size distribution and the analysis.

Indicate for each of the following processes whether it enters in the synthesis of the different chemical processed ingredients

- Ethoxylation: Yes No
- Irradiation: Yes No
- Sulfonation: Yes No
- Techniques using genetic manipulations: Yes No
- Quaternization: Yes No
- Ethylene oxide treatment: Yes No
- Treatment using mercury: Yes No
- Petrochemical catalysis: Yes No
- Use of solvents for the manufacturing and the purification of your chemically transformed ingredient: Yes No
- In that case, do you use aromatic, halogenated, sulfured, or nitrogenated solvents ? : Yes No
- Solvent Recovery (Extracting agent removal): Yes No

Specify the solvents used for extraction:

Natural Ethanol (fermentation of cane sugare)

- Hydrogenation: Yes No
- Hydrolysis: Yes No
- Esterification: Yes No
- Etherification: Yes No
- Sulphatation: Yes No
- Biotechnological processes: Yes No

Fermentation: List the components of the fermentation medium and their origin (Ex:Vitamin , natural origin):

No fermentation

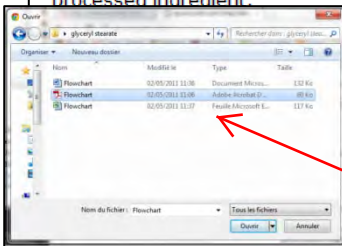
Cellular Culture: List the components of the growing medium and their origin:

No cellular culture

Indicate the percentage of Active Matter of your chemically processed ingredient:

96

In this case the chemically processed ingredient is contained at 96% on the product.



this window is opened when you want to add a document. You can add this type of file : Word, Excel, Image, PDF

D. General questions regarding the green chemistry principles

II.1.D - General questions regarding the green chemistry principles

Atoms economy principle: last reaction's output (must be specified for all chemically processed agro-ingredients) R= (mass of the wanted product/mass of all products)* 100 - What is the result ?

During the manufacturing of your chemically processed ingredient, are there here temporary modifications (e.g. protection/deprotection of functional groups) ?:

Have you set up a procedure to reduce the number of these temporary modifications ?:

Do the manufactured ingredient meet the requirement of the Cosmos Standard as regards biodegradability and aquatic toxicity ?:

R (glyceryl stearate) = 78%

Yes No

Yes No

Yes No

Submit

If your product is a mix of 2 CPI (CPI 1 and CPI 2) please mention the output of the last reaction of the synthesis of CPI 1 and the output of the last reaction of CPI 2

Substances, known to be bio-accumulative and not biodegradable (do not pass OECD 301; => TEGEWA classification III = high waste water impact) are prohibited

1) Minimum requirement for Aquatic toxicity: LC50, EC50, IC50 > 1 mg/l
 2) Relation of biodegradability to aquatic toxicity:
 - Aquatic Toxicity: EC50 > 10 mg/l (daphnia)
 - Biodegradability: > 70 % (or 60 % if CO2 produced is measured) (OECD 301)
 or
 - Aquatic Toxicity: EC50 = 1-10 mg/l (daphnia)
 - Biodegradability: > 95% (OECD 302); > 70 % (or 60 % if CO2 produced is measured) (OECD 301)
 please see the technical guide (www.cosmos-standard.org)
 please see page 7 of the COSMOS standard for more information.

E. Other questions

Other questions

1) If your ingredient is constituted or contains a synthetic moiety as authorized in the Standard, appendix VI, specify hereby the presence percentage of this moiety (on the active matter Molecular Weight), as well as the ingredient involved:

Example : Cocoamidopropylbetaine CAS N° 61789-40-0, Molecular Weight: 342 Synthetic Moiety :Molecular weight : 159 Petrochemical % = 159/342 = 45.2 %

Submit

the synthetic moiety corresponds to the molecular weight of the atoms coming from synthetic ingredients.
 The final % is the ratio (synthetic atoms/total of the atoms of the ingredient).
 This calculation can be made with weight ratio instead of molecular weight.

II.1.E - Other questions

Name and CAS	Function	Origin	Weight %
sodium benzoate	Preservative	synthetic	1

Please choose to delete

Please choose to edition

If your product contain a additive, please complete this form, else click

Additives : List of additives (antioxidants, preservatives etc.) contained in the chemically processed ingredients. Add lines if necessary

Name and CAS:

Function:

Origin: Natural Synthetic

Percentage:

Any other additives used ?:

Click here if you want to modify information about an additive

Click here if you want to delete an additive

to mention the manufacturing process of the additives.

2. Physically processed ingredients

A. Plant ingredients

Physically Processed Ingredients (PPI) represents three categories of ingredients:
 -plant ingredients (PPAI)
 -animal ingredients
 -mineral ingredients

This table registers and summarizes the data of the previous page. Each new plant ingredient registered will be added to this table. This is similar for animal ingredients and mineral ingredients

II.2 Physically processed ingredients

II.2.A - Plant ingredients

List of plants ingredients present in the product					
Name	Percentage	Manufacturing process	Chemical name	%	Origin
helianthus annuus (sunflower) seed oil	50	cold pressing of vegetable			
argan oil	10	cold pressing of vegetable	tocopherol	0,1	natur

Please choose to delete
 helianthus annuus (sunflower) seed oil

Submit

Please choose to edition
 argan oil

Submit

If you want to modify the answers to the question regarding plant ingredients, please click here [Next](#)

If your product contains an plant ingredient, please complete this form, else click [Next](#)

Click on Next to reach the final questions regarding plant ingredients

click on **Next** if your product does not contain plant ingredient.

List here all the plant ingredients present in the product, their percentages and the manufacturing processes involved in their preparation.

Name:

Percentage:

Manufacturing process:

Additives of your physically processed agro-ingredient

Chemical name:

% of additive:

Origin:

Natural Synthetic

Any other plant ingredient used

Yes

No

Once the page is filled in entirely for a kind of ingredient, please click on:
 -YES, to pass to the next plant ingredient
 -NO, to pass to the final set of questions concerning the plant ingredients
 The instructions are the same for animal ingredients and mineral ingredients

Are you sure to delete the ingredient: helianthus annuus (sunflower) seed oil

Yes

No

List here all the plant ingredients present in the product, their percentages and the manufacturing processes involved in their preparation.

Name:

helianthus annuus (sunflower) seed oil

Percentage:

50

Manufacturing process:

cold pressing of vegetable

Additives of your physically processed agro-ingredient

Chemical name:

% of additive:

Origin:

Natural Synthetic

Submit

II.2 Physically processed ingredients

II.2.A - Plant ingredients

Has a solvent of petrochemical origin been used for obtaining these ingredients: Yes No

If yes, which one?:

Are any of the ingredients listed above irradiated?: Yes No

If yes, which one?:

For all these plant/animal ingredients, do you plan a solvent recovery (Extracting agent removal): Yes No

B. Animal origin ingredients

II.2 Physically processed ingredients :

II.2.B - Animal Ingredients :

List of animals ingredients present in the product					
Name	Percentage	Chemical name	%	Manufacturing process	Origin
mel	1			physical process	

Please choose to delete

Please choose to edition

If you want to modify the answers to the question regarding animal origin ingredients, please click here

If your product contains an animal origin ingredient, please complete this form, else click

List here all the ingredients from animal origin present in the product and their percentages.

Name:

Percentage:

Manufacturing process:

Additives of your physically processed animal ingredient

Chemical name:

?:

Origin: Natural Synthetic

Any other animal ingredient used ?

Click here if you want to modify information about an animal origin ingredient

Click here if you want to delete an animal origin ingredient

Click on Next to reach the final questions regarding plant ingredients

click on Next if your product does not contain plant ingredient.

II.2 Physically processed ingredients

II.2.B - Animal origin ingredients

Are the ingredients listed above entailing the death of the animal ?:

Has a solvent of petrochemical origin been used for obtaining these ingredients:

If yes, which one ?:

Are any of the ingredients listed above irradiated ?:

If yes, which one ?:

For all these plant/animal ingredients, do you plan a solvent recovery (Extracting agent removal):

Yes No

Yes No

Yes No

Yes No

Submit

C. Mineral origin ingredients

Physically processed ingredients :

II.2.C - Mineral ingredients :

List of minerals ingredients present in the product				
Name	Percentage	Manufacturing process	Chemical name	ppm
Titanium dioxide	5	Washing - Filtration - Drying - Milling - Screening		

Please choose to delete
Titanium dioxide ▼
Submit

Please choose to edition
Titanium dioxide ▼
Submit

If you want to modify the answers to the question regarding mineral ingredients, please click here [Next](#)

If your product contain a mineral ingredient, please complete this form, else click [Next](#)

List here all the minerals (or the ingredients from mineral origin) present in product, their percentages and the physical processes involved in their preparation.

Name:

Percentage:

Manufacturing process:

Impurities of your physically processed mineral ingredient

Chemical name:

ppm:

Any other mineral ingredient used ?

Yes No

Click here if you want to modify information about a mineral ingredient

Click here if you want to delete a mineral ingredient

Click on Next to reach the final questions regarding plant ingredients

click on **Next** if your product does not contain plant ingredient.

Physically processed ingredients

II.2.C – Mineral ingredients

Are any of the ingredients listed above irradiated ?:

Yes No

If yes, which one ?:

Are all the ingredients listed above present in the appendix IV of the Standard ?:

Yes No

If no, which one ?:

Must these ingredients be labelled as nanoparticles on the cosmetic products according to the 1223/2009/CE European Cosmetic Regulation definition ?:

Yes No

If yes, which one ?:

Enclose MSDS or granulometric analysis indicating minimum particle size for TiO₂, ZnO, CeO₂, Silica):

Particle Size.pdf

please attach the file of the particle size distribution and the analysis.

D. Manufacturing process of the product

Physically processed ingredients :

II.2.D – Manufacturing process of the product to be validated:

Manufacturing process description:

Aucun fi... choisi

please indicate this manufacturing process when the final product is only composed with Physically Processed Ingredients

A flow chart can be attached

3. Additives

II.3 Additives of the product (preservatives, antioxidants etc.):

List of additives ingredients present in the product				
Name and CAS	Function	Origin	Percentage	Manufacturing process
sodium benzoate	Preservative	synthetic	1	Neutralization of benzoic acid with sodium hydroxide

Please choose to delete
 Click here if you want to delete an additive

Please choose to edition
 Click here if you want to modify information about an additive

If you have a other additive, please complete this form, else click

List here all additives present in your manufactured ingredient and their percentage. Add lines if necessary:

Name and CAS:

Function:

Origin: Natural Synthetic

#:

Manufacturing process:

This step concerns the additives added intentionally on the product not the ones contained directly on the different ingredients composing the product. (which should be already declared previously)

Any other additive use Yes No to mention the manufacturing process of the additives.

III. Environmental data

III - Environmental data

General

Have you evaluated and established a procedure for limiting accident risks (human and environmental)?: Yes No

If yes, please detail these measures:

Have you evaluated and established a procedure for the management of waste production (recycling and others) in the manufacturing of this raw material or for your manufacturing plant in general: Yes No

If yes, please detail these measures:

Have you evaluated and established a procedure for energy economy in the manufacturing of this ingredient or for your manufacturing plant in general?: Yes No

If yes, please detail these measures:

IV. Additional questions

IV – Additional questions

All plants used as raw materials should meet the CITES requirements (Convention on International Trade in Endangered Species of Wild Fauna and Flora).
 Join, for all plants used as reactants or physically processed ingredient, your declaration indicating:
 - plant name
 - origin of plant (country)
 - GMO statement(s)

Do you use palm oil as reactant or plant ingredient in your product: Yes No

In the case of risky reactant/raw material use regarding biodiversity such as palm oil, please forward your attestation stating your suppliers is under RPSO certification (or equivalent):

V. Commitment

I undersigned , representing the company declare that the information given in this questionnaire is correct.

Issued in, .

Compulsory signature (only jpg file) Aucun fi... choisi

Enter the mention « read and approved »

after clicking on **Submit**, you'll be directed to a window to download the questionnaire.
It was the final step.

Please don't forget the signature otherwise the questionnaire could not be accepted.
 If you do not own your signature on jpg file, the questionnaire must be printed, signed and scanned.

You will receive this email:

ECOCERT – RMQ – Commercial Name – A

ECOCERT GREENLIFE - QUESTIONNAIRE <cosmos@ecocert.com>

Envoyé : jeu. 12/05/2011 15:33

À : ALARD Alexandre

Your modifications on the questionnaire have been taken into consideration.

To download your document, click on the following link: [Download Raw Material Questionnaire](#)
 Please send this zip archive to your ECOCERT contact for the validation.

If you want to modify the document, the information below are necessary:
 - the Commercial Name of your ingredient:
 - the password (sent on the first email)

Then, click on the following link: [Questionnaire Edition](#)

Best regards