



Name: R_INQUIRY / SUBSTANCE : Fatty acids, C12-18 / Fatty acids, C12-18 / 67701-01-3
Thu, 17 May 2018 09:11:33 +0000

Legal entity owner: EcoMundo for twin rivers / Issy-les-Moulineaux / France

Printing date: 2018-05-17T09:11:49.327Z

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DOSSIER:

UUID: a1b7fd1d-010d-4699-91ef-0304d7d7a4e8

Dossier UUID: a1b7fd1d-010d-4699-91ef-0304d7d7a4e8

Author: vhajj

Date: 2018-05-17T09:11:33.651Z

Remarks:

Dossier header

Dossier submission type

Name

REACH Inquiry

Version

reach 3.0

Dossier subject

Dossier subject

[Fatty acids, C12-18 / Fatty acids, C12-18 / 67701-01-3](#)

Submitting legal entity

[EcoMundo for twin rivers / Issy-les-Moulineaux / France](#)

Dossier creation date/time

Thu May 17 09:11:33 GMT 2018

Used in category

false

LEGAL_ENTITY: EcoMundo for twin rivers

UUID: ECHA-3df66680-b937-4ffb-8b8c-d2cbd4c23c47

Dossier UUID: a1b7fd1d-010d-4699-91ef-0304d7d7a4e8

Author: vhajj

Date: 2018-05-17T09:11:33.664Z

Remarks:

General information

Legal entity name

EcoMundo for twin rivers

Legal entity type

company

Contact information

Contact address

Address 1

215 Rue Jean Jacques Rousseau

Postal code

92130

Town

Issy-les-Moulineaux

Country

France

Phone

0033183642054

E-mail

or@ecomundo.eu

Fatty acids, C12-18

General information

Identification

SUBSTANCE: Fatty acids, C12-18

UUID: cb0a1e92-7692-43ff-a948-a11476b54025

Dossier UUID: a1b7fd1d-010d-4699-91ef-0304d7d7a4e8

Author: vhajj

Date: 2018-05-17T09:11:33.701Z

Remarks:

Substance name

Fatty acids, C12-18

Legal entity

[EcoMundo for twin rivers / Issy-les-Moulineaux / France](#)

Contact persons

Person

[Garçon, Pierre; EcoMundo](#)

Last name

Garçon

First name

Pierre

Organisation

EcoMundo

Phone

00 33 (0)1 83 64 20 53

Email

or@ecomundo.eu

Address 1

215, rue Jean-Jacques Rousseau

Postal code

92130

Town

Issy-les-Moulineaux

Country

France

Identification of substance

Reference substance

[Fatty acids, C12-18](#) / [Fatty acids, C12-18](#) / [67701-01-3](#) / [266-925-9](#)

EC number

266-925-9

EC name

EC Inventory

CAS number

67701-01-3

CAS name

IUPAC name

Fatty acids, C12-18

Type of substance _____

Type of substance

UVCB

Origin

organic

Role in the supply chain _____

Manufacturer

false

Importer

false

Only representative

true

Downstream user

false

Composition

FLEXIBLE_RECORD: Composition.001

UUID: 7a080a4b-bc88-45c6-a543-6d92799b2fa9

Dossier UUID: a1b7fd1d-010d-4699-91ef-0304d7d7a4e8

Author: vhajj

Date: 2018-05-17T09:11:33.721Z

Remarks:

General Information

Name

Fatty acids, C12-18

Type of composition

legal entity composition of the substance

State / form

solid: bulk

Description

DESCRIBE THE PROCESS BEHIND THE PARTICULAR COMPOSITION OF THE UVCB SUBSTANCE

- Identity of starting materials/source (and ratio):

Coconut oil or tallow/water

- Reaction steps/mechanisms:

1. Hydrolysis

2. Distillation

3. Fractionation

4. Hydrogenation

- Relevant operating parameters (e.g. temperature and pressure):

350F-450F

- Solvents/reagents used:

None (water)

- Details on any extraction/isolation steps as appropriate: None

- Details on any clean-up/purification steps as appropriate: Distillation

- Physical-chemical parameters (e.g. boiling point):

pH: 3-4

Boiling point/Boiling range: >500°F (260°C) @ 760 mm Hg (101.3kPa)

Flash Point & Method: >300°F (148.9°C) PMCC

Degree of purity

100

% (w/w)

Constituents

Reference substance

[decanoic acid / decanoic acid / 334-48-5 / 206-376-4](#)

EC number

206-376-4

EC name

EC Inventory

CAS number

334-48-5

CAS name

decanoic acid

IUPAC name

decanoic acid

Typical concentration

ca. 1.27 % (w/w)

Concentration range

>= 0 <= 3 % (w/w)

Reference substance[myristic acid / Tetradecanoic acid / 544-63-8 / 208-875-2](#)**EC number**

208-875-2

EC name

EC Inventory

CAS number

544-63-8

CAS name

Tetradecanoic acid

IUPAC name

Tetradecanoic acid

Typical concentration

26.35 % (w/w)

Concentration range

>= 5 <= 30 % (w/w)

Reference substance[lauric acid / dodecanoic acid / 143-07-7 / 205-582-1](#)**EC number**

205-582-1

EC name

EC Inventory

CAS number

143-07-7

CAS name**IUPAC name**

dodecanoic acid

Typical concentration

ca. 46.83 % (w/w)

Concentration range

>= 45 <= 65 % (w/w)

Reference substance[palmitic acid / Hexadecanoic acid / 57-10-3 / 200-312-9](#)**EC number**

200-312-9

EC name

EC Inventory

CAS number

57-10-3

CAS name

Hexadecanoic acid

IUPAC name

Hexadecanoic acid

Typical concentration

ca. 14.94 % (w/w)

Concentration range

>= 5 <= 50 % (w/w)

Reference substance[stearic acid / Octadecanoic acid / 57-11-4 / 200-313-4](#)**EC number**

200-313-4

EC name

EC Inventory

CAS number

57-11-4

CAS name

Octadecanoic acid

IUPAC name

Octadecanoic acid

Typical concentration

ca. 9.88 % (w/w)

Concentration range

>= 0 <= 60 % (w/w)

Analytical information

FLEXIBLE_RECORD: Analytical information.001

UUID: 674b9895-0e06-4544-84ee-69b38dc12efb

Dossier UUID: a1b7fd1d-010d-4699-91ef-0304d7d7a4e8

Author: vhajj

Date: 2018-05-17T09:11:33.702Z

Remarks:

Analytical information

Methods and results of analysis

Analytical determination

Purpose of analysis

identification and quantification

Analysis type

chromatography – GC

IR

MS

NMR

UV/Vis

Type of information provided

methods and results

Attached methods/results

3_EC 266-925-9_V2.pdf / 3.278 MB (application/pdf)

Optical activity

not relevant

Information requirements

Inquiry

FLEXIBLE_RECORD: Inquiry.001

UUID: c136603e-933e-4a1d-b060-9147866bf11f

Dossier UUID: a1b7fd1d-010d-4699-91ef-0304d7d7a4e8

Author: vhajj

Date: 2018-05-17T09:11:33.719Z

Remarks:

Type of inquiry

Specify the type of inquiry

Type 3: Inquiry for phase-in substance that has not been pre-registered

Information requirements

Information requirements requiring new studies to be conducted?

no

References

REFERENCE_SUBSTANCE: Fatty acids, C12-18

UUID: 309837e9-eb90-4a2c-a9d6-48aa2364ac51

Dossier UUID: a1b7fd1d-010d-4699-91ef-0304d7d7a4e8

Author: vhajj

Date: 2018-05-17T09:11:33.664Z

Remarks:

General information

Reference substance name

Fatty acids, C12-18

Inventory

Inventory name

Fatty acids, C12-18

Inventory

EC

Inventory number

266-925-9

CAS number

67701-01-3

Molecular formula

Description

This substance is identified by SDA Substance Name: C12-C18 alkyl carboxylic acid and SDA Reporting Number: 16-005-00.

Reference substance information

IUPAC name

Fatty acids, C12-18

CAS information

CAS number

67701-01-3

Molecular and structural information

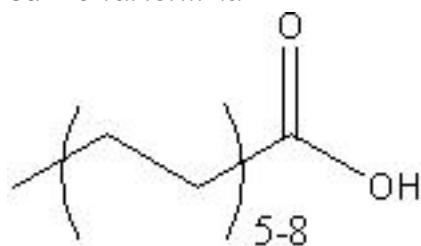
Molecular formula

C₁₂H₂₄O₂ - C₁₈H₃₆O₂

SMILES notation

CCC(O)=O

Structural formula



Remarks

Molecular weight is not available as the substance is UVCB

REFERENCE_SUBSTANCE: decanoic acid

UUID: ECB5-88eced41-61b0-48a3-bbb0-e43f7e6f103c

Dossier UUID: a1b7fd1d-010d-4699-91ef-0304d7d7a4e8

Author: vhajj

Date: 2018-05-17T09:11:33.664Z

Remarks:

General information

Reference substance name

decanoic acid

Inventory

Inventory name

decanoic acid

Inventory

EC

Inventory number

206-376-4

CAS number

334-48-5

Molecular formula

C₁₀H₂₀O₂

Description

Reference substance information

IUPAC name

decanoic acid

Synonyms

Identity
Decanoic acid
Identity
Decanoic acid

CAS information

CAS number

334-48-5

CAS name

decanoic acid

Related substances

Group / category information

DSL Category: Organics

Molecular and structural information

Molecular formula

C₁₀H₂₀O₂

Molecular weight

172.2646

SMILES notation

CCCCCCCCC(=O)O

InChI

InChI=1/C₁₀H₂₀O₂/c1-2-3-4-5-6-7-8-9-10(11)12/h2-9H₂,1H₃,(H,11,12)

Structural formula



CONTACT: Garçon, Pierre; EcoMundo

UUID: 969589fe-4a21-3a95-8b1f-55ce3a908bae

Dossier UUID: a1b7fd1d-010d-4699-91ef-0304d7d7a4e8

Author: vhajj

Date: 2018-05-17T09:11:33.661Z

Remarks:

General information

Last name

Garçon

First name

Pierre

Organisation

EcoMundo

Phone

00 33 (0)1 83 64 20 53

Email

or@ecomundo.eu

Address 1

215, rue Jean-Jacques Rousseau

Postal code

92130

Town

Issy-les-Moulineaux

Country

France

FR

REFERENCE_SUBSTANCE: lauric acid

UUID: ECB5-4e9f2599-5647-46cb-8b8d-15a57d0cb0c4

Dossier UUID: a1b7fd1d-010d-4699-91ef-0304d7d7a4e8

Author: vhajj

Date: 2018-05-17T09:11:33.665Z

Remarks:

General information

Reference substance name

lauric acid

Inventory

Inventory name

lauric acid

Inventory

EC

Inventory number

205-582-1

CAS number

143-07-7

Molecular formula

C₁₂H₂₄O₂

Description

Reference substance information

IUPAC name

dodecanoic acid

CAS information

CAS number

143-07-7

Molecular and structural information

Molecular formula

C₁₂H₂₄O₂

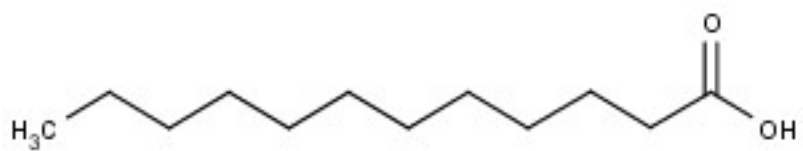
Molecular weight

ca. 200.3

SMILES notation

CCCCCCCCCCCC(O)=O

Structural formula



REFERENCE_SUBSTANCE: myristic acid

UUID: ECB5-da938f82-bb3e-41f5-a652-d5f492b7ba49

Dossier UUID: a1b7fd1d-010d-4699-91ef-0304d7d7a4e8

Author: vhajj

Date: 2018-05-17T09:11:33.665Z

Remarks:

General information

Reference substance name

myristic acid

Inventory

Inventory name

myristic acid

Inventory

EC

Inventory number

208-875-2

CAS number

544-63-8

Molecular formula

C₁₄H₂₈O₂

Description

Reference substance information

IUPAC name

Tetradecanoic acid

Synonyms

Identity
Tetradecanoic acid
Identity
Tetradecanoic acid

CAS information

CAS number

544-63-8

CAS name

Tetradecanoic acid

Related substances

Group / category information

DSL Category: Organics

Molecular and structural information

Molecular formula

C₁₄H₂₈O₂

Molecular weight

228.3709

SMILES notation

CCCCCCCCCCCC(=O)O

InChI

InChI=1/C₁₄H₂₈O₂/c1-2-3-4-5-6-7-8-9-10-11-12-13-14(15)16/h2-13H₂,1H₃,(H,15,16)

Structural formula



REFERENCE_SUBSTANCE: palmitic acid

UUID: ECB5-3502c493-86c0-4ed6-a0f9-2cbb8e82cfdc

Dossier UUID: a1b7fd1d-010d-4699-91ef-0304d7d7a4e8

Author: vhajj

Date: 2018-05-17T09:11:33.665Z

Remarks:

General information

Reference substance name

palmitic acid

Inventory

Inventory name

palmitic acid

Inventory

EC

Inventory number

200-312-9

CAS number

57-10-3

Molecular formula

C₁₆H₃₂O₂

Description

Reference substance information

IUPAC name

Hexadecanoic acid

Synonyms

Identity
Hexadecanoic acid
Identity
Hexadecanoic acid
Identity
Hexadecanoic acid

CAS information

CAS number

57-10-3

CAS name

Hexadecanoic acid

Related substances

Group / category information

DSL Category: Organics

USEPA Category: Anionic Surfactants

Molecular and structural information

Molecular formula

C₁₆H₃₂O₂

Molecular weight

256.4241

SMILES notation

CCCCCCCCCCCCCCCC(=O)O

InChI

InChI=1/C16H32O2/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16(17)18/h2-15H2,1H3,(H,17,18)

Structural formula



REFERENCE_SUBSTANCE: stearic acid

UUID: ECB5-ba56bb60-907c-4d3f-8d45-364af5945a64

Dossier UUID: a1b7fd1d-010d-4699-91ef-0304d7d7a4e8

Author: vhajj

Date: 2018-05-17T09:11:33.665Z

Remarks:

General information

Reference substance name

stearic acid

Inventory

Inventory name

stearic acid

Inventory

EC

Inventory number

200-313-4

CAS number

57-11-4

Molecular formula

C₁₈H₃₆O₂

Description

Reference substance information

EU: REACH

IUPAC name

Octadecanoic acid

Synonyms

Identity
Octadecanoic acid
Identity
Octadecanoic acid

CAS information

CAS number

57-11-4

CAS name

Octadecanoic acid

Related substances

Group / category information

DSL Category: Organics

Molecular and structural information

Molecular formula

C₁₈H₃₆O₂

Molecular weight

284.4772

SMILES notation

CCCCCCCCCCCCCCCC(=O)O

InChI

InChI=1/C₁₈H₃₆O₂/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18(19)20/h2-17H₂,1H₃,(H,19,20)

Structural formula

