

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : DEFINICIRE
Product code : 5938
Product group : Trade product

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Main use category : Industrial use
Use of the substance/mixture : Cosmetic ingredient

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

GATTEFOSSE SAS SAS
36 chemin de Genas CS 70070, 36
P.O. Box CS 70070
FR- 69804 Saint-Priest Cedex
France
T +33 472 22 98 00 - F +33 478 90 45 67
regulatory@gattefosse.com - www.gattefosse.com

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Cardiff Centre) University Hospital Llandough	Penlan Road CF64 2XX Llandough	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Edinburgh Centre) Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA Edinburgh	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Waxes and Waxy substances, jojoba	CAS-No.: 61789-91-1 REACH-no: Exempted from REACH registration (Annex V.9)	50 – 75	Not classified
Sunflower wax	CAS-No.: 8001-21-6 EC-No.: 232-273-9 REACH-no: Exempted from REACH registration (Annex V.9)	25 – 50	Not classified
Reaction mass of oxybispropanetriol and triglycerol and tetraglycerol	CAS-No.: 25618-55-7 EC-No.: 915-741-3 REACH-no: 01-2119488225-33	1 – 5	Not classified
Tocopherols	CAS-No.: 1406-66-2 EC-No.: 604-195-9 REACH-no: 01-2120087841-49	0.1 – 1	Not classified

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: Beige.
Appearance	: Waxy.
Odour	: slight.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not applicable
Boiling point	: Not available
Flammability	: Non flammable.
Explosive properties	: Product is not explosive.
Explosive limits	: Not applicable

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Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
pH	: Not available
pH solution	: Not available
Viscosity, kinematic	: Not applicable
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: Not available
Relative density	: Not available
Relative vapour density at 20 °C	: Not applicable
Particle size	: Not available
Particle size distribution	: Not available
Particle shape	: Not available
Particle aspect ratio	: Not available
Particle aggregation state	: Not available
Particle agglomeration state	: Not available
Particle specific surface area	: Not available
Particle dustiness	: Not available

Reaction mass of oxybispropanetriol and triglycerol and tetraglycerol

Flash point	234 °C
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Tocopherols

Flash point	250 °C
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9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

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10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. On burning: release of carbon monoxide - carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (The data is based on the toxicological properties of the components of the product)
Acute toxicity (inhalation)	: Not classified (The data is based on the toxicological properties of the components of the product)

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LD50 oral rat	> 5000 mg/kg Data: Gattefossé(OECD 423 method);Test item: RT 6 031
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Reaction mass of oxybispropanetriol and triglycerol and tetraglycerol (25618-55-7)

LD50 oral rat	> 2000 mg/kg (OECD 401 method)
LD50 dermal rabbit	> 18.7 g/kg (Results obtained on a similar product) (Glycerol)

Tocopherols (1406-66-2)

LD50 oral rat	> 7500 mg/kg (OECD 401 method);
LD50 dermal rabbit	> 5000 mg/kg bodyweight (OECD 402 method)

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: Data: Gattefossé (OECD 404 method) Test item:
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: Data: Gattefossé (OECD 405 method) Test item:
Respiratory or skin sensitisation	: Not classified
Additional information	: Data: Gattefossé (OECD 429 method) Test item:
Germ cell mutagenicity	: Negative (Based on available data, the classification criteria are not met)
Additional information	: Data: Gattefossé (OECD 471 method) (OECD 473 method) (OECD 476 method) Test item:
Carcinogenicity	: Not classified (The data is based on the toxicological properties of the components of the product)

Reaction mass of oxybispropanetriol and triglycerol and tetraglycerol (25618-55-7)

NOAEL (chronic, oral, animal/male, 2 years)	≈ 2500 mg/kg bodyweight (Results obtained on a similar product) (Polyglycerol polyricinoleate)
NOAEL (chronic, oral, animal/female, 2 years)	≈ 2500 mg/kg bodyweight (Results obtained on a similar product) (polyglycerol polyricinoleate)

Reproductive toxicity	: Not classified (The data is based on the toxicological properties of the components of the product)
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Reaction mass of oxybispropanetriol and triglycerol and tetraglycerol (25618-55-7)

NOAEL (animal/male, F0/P)	1310 mg/kg (Results obtained on a similar product) (Glycerol)
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STOT-single exposure	: Not classified (The data is based on the toxicological properties of the components of the product)
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STOT-repeated exposure : Not classified (The data is based on the toxicological properties of the components of the product)

Tocopherols (1406-66-2)	
NOAEL (oral, rat, 90 days)	500 mg/kg bodyweight (OECD 408 method); read-across from CAS 58-95-7 α -tocopheryl acetate
NOAEL (subacute, oral, animal/female, 28 days)	1111 mg/kg bodyweight (OECD 407 method) ; Read-across from CAS 7695-91-2 D,L-alpha-tocopheryl acetate

Aspiration hazard : Not classified (The data is based on the toxicological properties of the components of the product)

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Viscosity, kinematic	Not applicable

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified (No ecotoxicological data about this product are known)

Hazardous to the aquatic environment, long-term (chronic) : Not classified (No ecotoxicological data about this product are known)

Additional information : The ecotoxicological properties of this mixture are determined by the ecotoxicological properties of the single components (see section 3).

Reaction mass of oxybispropanetriol and triglycerol and tetraglycerol (25618-55-7)	
LC50 - Fish [1]	> 1000 mg/l <i>Poecilia reticulata</i> (Guppy); (OECD 203 method)
LC50 - Fish [2]	> 100 mg/l <i>Oncorhynchus mykiss</i> (Rainbow trout); (OECD 203 method)
EC50 - Crustacea [1]	> 1000 mg/l <i>Daphnia magna</i> (Water flea); (OECD 202 method)
EC50 96h - Algae [1]	> 1000 mg/l <i>Selenastrum capricornutum</i> ; (OECD 201 method)
NOEC chronic fish	100 mg/l <i>Oncorhynchus mykiss</i> (Rainbow trout); (OECD 203 method);
NOEC chronic algae	1000 mg/l <i>Selenastrum capricornutum</i> ; (OECD 201 method)

Tocopherols (1406-66-2)	
LC50 - Fish [1]	> 10 mg/l (OECD 203 method); <i>Oncorhynchus mykiss</i> ; Read-across from CAS No.10191-41-0
EC50 - Crustacea [1]	> 23.5 mg/l (OECD 202 method); <i>Daphnia magna</i> ; read-across from CAS No.10191-41-0
EC50 - Crustacea [2]	> 500 mg/l DIN 38412/11; <i>Daphnia magna</i> ; read-across from DL-alpha-tocopheryl acetate (CAS: 7695-91-2)
EC50 72h - Algae [1]	> 25.8 mg/l <i>Selenastrum capricornutum</i> ; (OECD 201 method); Read-across from CAS No.10191-41-0
EC50 72h - Algae [2]	> 27.8 mg/l (OECD 201 method), Read-across from DL-alpha-tocopheryl acetate (CAS: 7695-91-2)
NOEC chronic algae	> 25.8 mg/l <i>Selenastrum capricornutum</i> ; (OECD 201 method); Read-across from CAS No.10191-41-0

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12.2. Persistence and degradability

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Persistence and degradability	Readily biodegradable.
Biodegradation	90 % (OECD 301F method); Test item: DEFINICIRE

Reaction mass of oxybispropanetriol and triglycerol and tetraglycerol (25618-55-7)

Persistence and degradability	Readily biodegradable.
Biodegradation	> 60 % (28 days)

Tocopherols (1406-66-2)

Persistence and degradability	Inherently biodegradable.
Source	European Chemicals Agency, http://echa.europa.eu/

12.3. Bioaccumulative potential

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Bioaccumulative potential	Accumulation in organisms is not to be expected.
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Reaction mass of oxybispropanetriol and triglycerol and tetraglycerol (25618-55-7)

Partition coefficient n-octanol/water (Log Pow)	< -3 Diglycerol Log Pow= -3.3 triglycerol Log Pow=-3.9
Bioaccumulative potential	Accumulation in organisms is not to be expected.

Tocopherols (1406-66-2)

Partition coefficient n-octanol/water (Log Pow)	12.2 (calculated value) 25°C
Bioaccumulative potential	Accumulation in organisms is not to be expected.

12.4. Mobility in soil

Reaction mass of oxybispropanetriol and triglycerol and tetraglycerol (25618-55-7)

Organic Carbon Normalized Adsorption Coefficient (Log Koc)	< 1.26 pH 7
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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

15.1.2. National regulations

No additional information available

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes

Section	Changed item	Change	Comments
	Supersedes version of	Modified	
	Revision date	Modified	
3	Composition/information on ingredients	Modified	

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)

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Abbreviations and acronyms:	
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.