

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : ELEVASTIN  
Product code : 5959  
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  
36 chemin de Genas CS 70070  
FR- 69804 Saint-Priest Cedex  
France  
T +33 472 22 98 00 - F +33 478 90 45 67  
[regulatory@gattefosse.com](mailto:regulatory@gattefosse.com) - [www.gattefosse.com](http://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)	

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Not classified

##### 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 %

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### 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]
Betaine	CAS-No.: 107-43-7 EC-No.: 203-490-6 REACH-no: 01-2119520508-42	25 – 50	Not classified
Water	CAS-No.: 7732-18-5 EC-No.: 231-791-2 REACH-no: Exempted from REACH registration (Annex IV)	25 – 50	Not classified
Propane-1,3-diol	CAS-No.: 504-63-2 EC-No.: 207-997-3 REACH-no: 01-2119489383-28	25 – 50	Not classified
Murraya Koenigii Stem Ext.	EC-No.: 924-428-0 REACH-no: Exempted from REACH registration (Volume < 1 tpa)	5 – 10	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

#### 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. Carbon dioxide.

#### 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.

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### 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 : Take up liquid spill into absorbent material.

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

##### 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

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### 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	: Liquid
Colour	: brown.
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not applicable
Explosive properties	: Product is not explosive.
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
pH solution	: 5 – 7 (50% in water)
Viscosity, kinematic	: Not available
Viscosity, dynamic	: 47 cP
Solubility	: Water: Soluble
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available

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Vapour pressure at 50 °C	: Not available
Density	: Not available
Relative density	: 1.07 – 1.11
Relative vapour density at 20 °C	: Not available
Particle characteristics	: Not applicable

### Propane-1,3-diol

Flash point	> 99 °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

Additional information : Flash point Propane-1,3-diol (CAS-No.: 504-63-2) > 99°C

## 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

### 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 (The data is based on the toxicological properties of the components of the product)
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)

### Propane-1,3-diol (504-63-2)

LD50 oral rat	> 2000 mg/kg (OECD 401 method)
LD50 dermal rat	> 4200 mg/kg bodyweight

### Betaine (107-43-7)

LD50 oral rat	11179 mg/kg
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Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)

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Additional information : Data: Gattefossé  
(OECD 439 method)  
Test item: EXTRAIT MURRAYA BPE115SC Batch D18051

### Betaine (107-43-7)

pH 5 – 7

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)  
Additional information : Data: Gattefossé  
(OECD 437 method)  
Test item: EXTRAIT MURRAYA BPE115SC Batch D18051

### Betaine (107-43-7)

pH 5 – 7

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)  
Additional information : Data: Gattefossé  
(OECD 442D method)  
Test item: EXTRAIT MURRAYA BPE115SC Batch D18051  
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)  
Additional information : Data: Gattefossé  
(OECD 471 method)  
(OECD 487 method)  
Test item: EXTRAIT MURRAYA BPE115SC Batch D18051  
Carcinogenicity : Not classified (The data is based on the toxicological properties of the components of the product)  
Reproductive toxicity : Not classified (The data is based on the toxicological properties of the components of the product)

### Propane-1,3-diol (504-63-2)

NOAEL (animal/male, F0/P) 1000 mg/kg bodyweight Source: European Chemicals Agency,  
<http://echa.europa.eu/>; (OECD 414 method)

STOT-single exposure : Not classified (The data is based on the toxicological properties of the components of the product)  
STOT-repeated exposure : Not classified (The data is based on the toxicological properties of the components of the product)

### Propane-1,3-diol (504-63-2)

LOAEL (oral, rat, 90 days) > 1000 mg/kg bodyweight/day Source: European Chemicals Agency,  
<http://echa.europa.eu/>; (OECD 408 method)

NOAEL (oral, rat, 90 days) 1000 mg/kg bodyweight Source: European Chemicals Agency,  
<http://echa.europa.eu/>; (OECD 408 method)

### Betaine (107-43-7)

NOAEL (oral, rat, 90 days) > 5771 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)

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

### Propane-1,3-diol (504-63-2)

Viscosity, kinematic 44.923 mm<sup>2</sup>/s 24°C

## 11.2. Information on other hazards

No additional information available

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### 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).

Propane-1,3-diol (504-63-2)	
LC50 - Fish [1]	> 9720 mg/l Pimephales promelas; (OECD 203 method)
EC50 - Crustacea [1]	7417 mg/l Daphnia magna (Water flea); (OECD 202 method)
EC50 72h - Algae [1]	1600 mg/l Source: European Chemicals Agency, <a href="http://echa.europa.eu">http://echa.europa.eu</a> ; Desmodesmus subspicatus; (OECD 201 method), biomass
ErC50 algae	> 10000 mg/l Desmodesmus subspicatus; (OECD 201 method); Growth rate
Betaine (107-43-7)	
EC50 - Crustacea [1]	4335 mg/l Source: European Chemicals Agency, <a href="http://echa.europa.eu">http://echa.europa.eu</a> ; Test organisms (species): Daphnia magna; (OECD 202 method)
EC50 72h - Algae [1]	1199 mg/l Source: European Chemicals Agency, <a href="http://echa.europa.eu">http://echa.europa.eu</a> ; Test organisms (species): Desmodesmus subspicatus; (OECD 201 method)

#### 12.2. Persistence and degradability

ELEVASTIN	
Persistence and degradability	Readily biodegradable.
Additional information	Data for mixture are not available
Water (7732-18-5)	
Persistence and degradability	Readily biodegradable.
Propane-1,3-diol (504-63-2)	
Persistence and degradability	Readily biodegradable.
Biodegradation	71 % (OECD 301B method)
Murraya Koenigii Stem Ext.	
Persistence and degradability	Readily biodegradable.
Additional information	No specific data
Betaine (107-43-7)	
Persistence and degradability	Readily biodegradable.
Biodegradation	88 % (OECD 301B method) Study duration : 28 days
Source	European Chemicals Agency, <a href="http://echa.europa.eu">http://echa.europa.eu</a>

#### 12.3. Bioaccumulative potential

ELEVASTIN	
Bioaccumulative potential	Accumulation in organisms is not to be expected.

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Water (7732-18-5)	
Bioaccumulative potential	Accumulation in organisms is not to be expected.
Propane-1,3-diol (504-63-2)	
Partition coefficient n-octanol/water (Log Pow)	-0.71 QSAR
Bioaccumulative potential	Accumulation in organisms is not to be expected.
Murraya Koenigii Stem Ext.	
Bioaccumulative potential	Accumulation in organisms is not to be expected.
Betaine (107-43-7)	
Bioaccumulative potential	Accumulation in organisms is not to be expected.

### 12.4. Mobility in soil

No additional information available

### 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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ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.2. UN proper shipping name</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.4. Packing group</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>				
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

##### REACH Annex XVII (Restriction List)

Contains no REACH substances with Annex XVII restrictions

##### REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances

##### REACH Candidate List (SVHC)

Contains no substance on the REACH candidate list

##### PIC Regulation (Prior Informed Consent)

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.

##### POP Regulation (Persistent Organic Pollutants)

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

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### Ozone Regulation (1005/2009)

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.

### Explosives Precursors Regulation (2019/1148)

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.

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)

#### 15.1.2. National regulations

No additional information available

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

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

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### Abbreviations and acronyms:

SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
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.