



## Safety Data Sheet

# EMULSIO NATURALE AMMORBIDENTE MUSCHIO E MAGNOLIA

Safety Data Sheet dated 22/12/2016, version 1

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

1.1. Product identifier

Mixture identification

Trade name: EMULSIO NATURALE AMMORBIDENTE MUSCHIO E  
MAGNOLIA

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

Recommended use:

Concentrated laundry softener.

Consumer use (SU21) - Products for washing and cleaning (PC35)

Uses advised against:

Different uses than recommended. Do not use in combination with other products.

1.3. Details of the supplier of the safety data sheet

Manufacturer:

SUTTER INDUSTRIES s.p.a. - Società con Unico Socio  
15060 Borghetto Borbera (AL) Italia  
Tel. +39 0143 631.1

Competent person responsible for the safety data sheet:

regulatory.affairs@sutter.it

1.4. Emergency telephone number

+39 0143 631.1 mon-fri 9.00/17.00

### SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

None

Hazard statements:

None

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

Special Provisions:

None

Product contents:

cationic surfactants 5 - 15 %

non-ionic surfactants < 5 %

The product also contains: Perfumes, Optical bleaches

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

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Other Hazards:

No other hazards

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#### SECTION 3: Composition/information on ingredients

##### 3.1. Substances

Not Applicable, the product is a mixture.

##### 3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

>= 1% - < 3% ETHANOL

REACH No.: 01-2119457610-43 Index number: 603-002-00-5, CAS: 64-17-5, EC: 200-578-6

 2.6/2 Flam. Liq. 2 H225

 3.3/2 Eye Irrit. 2 H319

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#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

Until revision date of this document, are unknown chronic effects from the mixture contact with skin, eyes, inhalation, ingestion.

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

Treatment:

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

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#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

##### 5.2. Special hazards arising from the substance or mixture

The mixture does not contain ingredients classified as explosive according to EC Regulation 1272/2008 (CLP).

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

##### 5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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Move undamaged containers from immediate hazard area if it can be done safely.  
The mixture does not contain ingredients classified as explosive according to EC Regulation 1272/2008 (CLP).

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#### SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
  - Wear personal protection equipment.
  - Remove persons to safety.
  - See protective measures under point 7 and 8.
- 6.2. Environmental precautions
  - Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
  - Retain contaminated washing water and dispose it.
  - In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
  - Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up
  - Wash with plenty of water. To converge the product in containment tanks.
- 6.4. Reference to other sections
  - See also section 8 and 13

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#### SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
  - Avoid contact with skin and eyes, inhalation of vapours and mists.
  - Do not eat or drink while working.
  - See also section 8 for recommended protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities
  - Store away from sunlight.
  - Store in a cool and well ventilated place.
  - Do not store in open or unlabeled containers.
  - Keep away from food, drink and feed.
  - Incompatible materials:  
Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability. see also 1.2 and 7.2.  
See section 10.
  - Instructions as regards storage premises:  
Adequately ventilated premises.
- 7.3. Specific end use(s)
  - None in particular, see paragraph 1.2

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#### SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
  - Until the revision date of this document, no experimental data are available for the mixture. Below, listed occupational exposure limits, if available, for the components listed in paragraph 3.2.
  - ETHANOL - CAS: 64-17-5
    - EU - TWA(8h): 1920 mg/m<sup>3</sup>, 1000 ppm - Notes: WEL
    - ACGIH - STEL: 1000 ppm - Notes: A3 - URT irr
  - DNEL Exposure Limit Values
    - Until the revision date of this document, no experimental data are available for the mixture. Below, listed the DNEL exposure limits, if available, for the components listed in paragraph 3.2.
    - ETHANOL - CAS: 64-17-5
      - Worker Industry: 1900 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects

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Worker Industry: 950 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 343 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Notes: bw/day

#### PNEC Exposure Limit Values

Until the revision date of this document, no experimental data are available for the mixture. Below, listed the PNEC exposure limits, if available, for the components listed in paragraph 3.2.

ETHANOL - CAS: 64-17-5

Target: Marine water - Value: 0.79 mg/l

Target: Fresh Water - Value: 0.96 mg/l

Target: Marine water sediments - Value: 2.9 mg/kg

Target: Soil (agricultural) - Value: 0.63 mg/kg

Target: Freshwater sediments - Value: 3.6 mg/kg

#### 8.2. Exposure controls

##### Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

##### Protection for skin:

No special precaution must be adopted for normal use.

##### Protection for hands:

Not needed for normal use.

##### Respiratory protection:

Not needed for normal use.

##### Thermal Hazards:

The product is not flammable or explosive - see paragraph 2.1. The product contains no explosive components.

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

##### Environmental exposure controls:

The product is not dangerous for the environment - see section 2.1.

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

##### Appropriate engineering controls:

No further technical checks suitable for your product under normal conditions.

See also section 1.2, section 7 and Exposure Scenario - Annex I of this document.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| Properties                               | Value                | Method:              | Notes:  |
|--|----------------------|----------------------|---|
| Appearance and colour:                   | Opaque liquid, white | Visual               | --  |
| Odour:                                   | Floral               | Olfactory            | --  |
| Odour threshold:                         | Evident              | Olfactory            | --  |
| pH:                                      | 2,7 +/- 0,5          | Instrumental control | --  |
| Melting point / freezing point:          | Not Relevant         | --                   | Parameter not relevant for the type of product                  |
| Initial boiling point and boiling range: | >= 100 °C            | --                   | Estimated value on chemical / physical properties of components |
| Flash point:                             | > 65 °C              | ABEL PENSKY          | --  |

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|   |               |                      |   |
|---|---------------|----------------------|---|
| Evaporation rate:                             | Not Relevant  | --                   | Parameter not relevant for the type of product          |
| Solid/gas flammability:                       | Not Relevant  | --                   | Parameter not relevant for the type of product          |
| Upper/lower flammability or explosive limits: | Not Relevant  | --                   | Parameter not relevant for the type of product          |
| Vapour pressure:                              | Not Relevant  | --                   | Parameter not relevant for the type of product          |
| Vapour density:                               | Not Relevant  | --                   | Parameter not relevant for the type of product          |
| Relative density:                             | 1.004 g/ml    | Instrumental control | --  |
| Solubility in water:                          | Total         | --                   | Internal tests  |
| Solubility in oil:                            | Partial       | --                   | Internal tests  |
| Partition coefficient (n-octanol/water):      | < 1000        | --                   | Value estimated based on the solubility of the mixture. |
| Auto-ignition temperature:                    | Not Relevant  | --                   | Parameter not relevant for the type of product          |
| Decomposition temperature:                    | Not Relevant  | --                   | Parameter not relevant for the type of product          |
| Viscosity:                                    | 150 +/- 50 cP | Instrumental control | --  |
| Explosive properties:                         | Not Relevant  | --                   | Parameter not relevant for product composition.         |
| Oxidizing properties:                         | Not Relevant  | --                   | Parameter not relevant for product composition.         |

#### 9.2. Other information

| Properties                           | Value        | Method: | Notes:   |
|--------------------------------------|--------------|---------|--|
| Miscibility:                         | Not Relevant | --      | Parameter not relevant for the type of product |
| Fat Solubility:                      | Not Relevant | --      | Parameter not relevant for the type of product |
| Conductivity:                        | Not Relevant | --      | Parameter not relevant for the type of product |
| Substance Groups relevant properties | Not Relevant | --      | Parameter not relevant for the type of product |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

### 10.2. Chemical stability

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

### 10.3. Possibility of hazardous reactions

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

See also section 7.2.

### 10.4. Conditions to avoid

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Different uses than recommended. Do not use in combination with other products. See also 1.2 and 7.2

#### 10.5. Incompatible materials

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability. see also 1.2 and 7.2.

#### 10.6. Hazardous decomposition products

Until the revision date of this document, no adverse effects and symptoms to exposure of the product are known, including chemical reactivity and instability.

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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Toxicological information of the product:

EMULSIO NATURALE AMMORBIDENTE MUSCHIO E MAGNOLIA

#### a) acute toxicity

Not classified

Based on available data, the classification criteria are not met

#### b) skin corrosion/irritation

Not classified

Based on available data, the classification criteria are not met

#### c) serious eye damage/irritation

Not classified

Based on available data, the classification criteria are not met

#### d) respiratory or skin sensitisation

Not classified

Based on available data, the classification criteria are not met

#### e) germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

#### f) carcinogenicity

Not classified

Based on available data, the classification criteria are not met

#### g) reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

#### h) STOT-single exposure

Not classified

Based on available data, the classification criteria are not met

#### i) STOT-repeated exposure

Not classified

Based on available data, the classification criteria are not met

#### j) aspiration hazard

Not classified

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

Below are reported, if available, the toxicological information of the components listed in paragraph 3.2.

ETHANOL - CAS: 64-17-5

#### a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 6200 mg/kg - Source: OECD401

Test: LC50 - Route: Inhalation - Species: Rat > 50 mg/m<sup>3</sup> - Source: OECD403

Test: LD50 - Route: Skin - Species: Rabbit = 20 g/kg

#### c) serious eye damage/irritation:

Test: Eye Irritant Positive - Source: OECD405 - Notes: Conc. >=50%

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## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Until the revision date of this document, are not available experimental data on the mixture.

Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

#### EMULSIO NATURALE AMMORBIDENTE MUSCHIO E MAGNOLIA

Not classified for environmental hazards

Based on available data, the classification criteria are not met

#### ETHANOL - CAS: 64-17-5

##### a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 275 mg/l - Duration h: 72 - Notes: Chlorella vulgaris

Endpoint: LC50 - Species: Fish = 13000 mg/l - Duration h: 96 - Notes: Salmo gairdneri

Endpoint: EC50 - Species: Daphnia = 12340 mg/l - Duration h: 48 - Notes: Daphnia magna

### 12.2. Persistence and degradability

Until the revision date of this document, are not available experimental data on the mixture.

Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

#### ETHANOL - CAS: 64-17-5

Biodegradability: Readily biodegradable

The surfactant(s) contained in this preparation complies with the biodegradability criteria laid down in Regulation (EC) No 648/2004 on detergents. All supporting data are kept available to the competent authorities of the Member States and will be provided to those authorities if they so request or at the request of a detergent manufacturer.

### 12.3. Bioaccumulative potential

Until the revision date of this document, are not available experimental data on the mixture.

Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

#### ETHANOL - CAS: 64-17-5

Bioaccumulation: Slightly bioaccumulative - Test: Kow - Partition coefficient -0.31

### 12.4. Mobility in soil

Until the revision date of this document, are not available experimental data on the mixture.

Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.

Not applicable

### 12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

### 12.6. Other adverse effects

Until the revision date of this document, unknown adverse effects and symptoms towards the environment.

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force. Do not discharge into the ground or into drains.

See also section 6.

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## SECTION 14: Transport information

### 14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

### 14.2. UN proper shipping name

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- Not applicable
- 14.3. Transport hazard class(es)  
Not applicable
- 14.4. Packing group  
Not applicable
- 14.5. Environmental hazards  
ADR-Environmental Pollutant: No  
IMDG-Marine pollutant: No
- 14.6. Special precautions for user  
Not applicable
- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code  
Not applicable

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#### SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture  
Dir. 98/24/EC (Risks related to chemical agents at work)  
Dir. 2000/39/EC (Occupational exposure limit values)  
Regulation (EC) n. 1907/2006 (REACH)  
Regulation (EC) n. 1272/2008 (CLP)  
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013  
Regulation (EU) 2015/830  
Regulation (EU) n. 286/2011 (ATP 2 CLP)  
Regulation (EU) n. 618/2012 (ATP 3 CLP)  
Regulation (EU) n. 487/2013 (ATP 4 CLP)  
Regulation (EU) n. 944/2013 (ATP 5 CLP)  
Regulation (EU) n. 605/2014 (ATP 6 CLP)  
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
- Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:  
None
- Where applicable, refer to the following regulatory provisions :  
Directive 2012/18/EU (Seveso III)  
Regulation (EC) nr 648/2004 (detergents).  
Dir. 2004/42/EC (VOC directive)
- Provisions related to directive EU 2012/18 (Seveso III):  
Seveso III category according to Annex 1, part 1  
None
- 15.2. Chemical safety assessment  
No, for instructions on safe mangling you see Sections 7 and 8 and the exposure scenario - Annex I of this document.

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#### SECTION 16: Other information

- Full text of phrases referred to in Section 3:  
H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.

| Hazard class and hazard category | Code  | Description                  |
|----------------------------------|-------|------------------------------|
| Flam. Liq. 2                     | 2.6/2 | Flammable liquid, Category 2 |
| Eye Irrit. 2                     | 3.3/2 | Eye irritation, Category 2   |



## EMULSIO NATURALE AMMORBIDENTE MUSCHIO E MAGNOLIA

Product Classification is based on conventional calculation method.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,  
Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van  
Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

|                   |  |
|-------------------|--|
| ADR:              | European Agreement concerning the International Carriage of Dangerous Goods by Road. |
| CAS:              | Chemical Abstracts Service (division of the American Chemical Society).              |
| CLP:              | Classification, Labeling, Packaging.   |
| DNEL:             | Derived No Effect Level.   |
| EC0/10/20/50/100: | Effective concentration, for 0/10/20/50/100 percent of test population.              |
| EINECS:           | European Inventory of Existing Commercial Chemical Substances.                       |
| GefStoffVO:       | Ordinance on Hazardous Substances, Germany.  |
| GHS:              | Globally Harmonized System of Classification and Labeling of Chemicals.              |
| IATA:             | International Air Transport Association.   |
| IATA-DGR:         | Dangerous Goods Regulation by the "International Air Transport Association" (IATA).  |
| ICAO:             | International Civil Aviation Organization.   |
| ICAO-TI:          | Technical Instructions by the "International Civil Aviation Organization" (ICAO).    |
| IMDG:             | International Maritime Code for Dangerous Goods.                                     |
| INCI:             | International Nomenclature of Cosmetic Ingredients.                                  |
| KSt:              | Explosion coefficient.   |
| LC0/10/20/50/100: | Lethal concentration, for 0/10/20/50/100 percent of test population.                 |
| LD0/10/20/50/100: | Lethal dose, for 0/10/20/50/100 percent of test population.                          |
| NOEC:             | No Observed Effect Concentration   |
| NOAEL(R)/NOAEC:   | No Observed Adverse Effect Level(Repeated)/Concentration                             |
| OECD:             | Organisation for Economic Co-operation and Development                               |
| PNEC:             | Predicted No Effect Concentration.   |
| RID:              | Regulation Concerning the International Transport of Dangerous Goods by Rail.        |
| STEL:             | Short Term Exposure limit.   |
| STOT:             | Specific Target Organ Toxicity.  |
| TLV:              | Threshold Limiting Value.  |
| TWA:              | Time-weighted average  |
| WGK:              | German Water Hazard Class.   |

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# EMULSIO NATURALE AMMORBIDENTE MUSCHIO E MAGNOLIA



ANNEX I

CONSUMER PRODUCT – LAUNDRY DETERGENT

|   |  |
|---|--|
| <b>Title of exposure scenario</b>   |  |
| Detergent for general cleaning: Manual process.   |  |
| <b>Use description</b>  |  |
| Sector Use  | SU21 – Consumer use  |
| Product Category  | PC35 – Cleaning and washing product (including solvent based products) |
| <b>Description of activities/process considered on exposure scenario.</b>   |  |
| Use the recommended dose according to water hardness and degree of soiling, following the instructions on the label or technical data sheet.          |  |
| <b>Frequency and duration</b>   |  |
| Use phase   | 1 or more times a day. Duration depends on washing program.            |
| Relevant limit values of ingredients, if available, are stated in section 8 of the SDS.   |  |
| <b>Physical appearance and concentration</b>  |  |
| Liquid or powder. To dilute.  |  |
| In section 2 of the SDS of product and on the label the classification of mixture is provided.  |  |
| Mixture classification is based on ingredients classification and on chemical/physical properties stated in section 9 of the SDS of product.          |  |
| <b>Use conditions</b>   |  |
| Room temperature /for recommended washing temperature see label or tecnica sheet.   |  |
| <b>Protezione</b>   |  |
| See section 8 of the SDS of product to more information on PPE.   | Training of worker to use and maintenance of PPE is supposed.          |
| Don't eat or drink, don't smoke.  | Avoid contact with damaged skin.                                       |
| No open flame.  | Do not use in combination with other products                          |
| Wash hand after use.  |  |
| In case of accidental release: dilute with water and dry.   |  |
| Follow use instruction as specified on the label or on technical sheet. Use good occupational hygiene practices as specified in section 7 on the SDS. |  |
| <b>Environmental measures</b>   |  |
| See section 6 of the SDS in case of accidental release  |  |
| See section 12 of the SDS for ecotoxicological information of mixture and dangerous ingredients.  |  |
| See section 13 of the SDS for disposal considerations.  |  |

Note:

SDS: Safety Data Sheet

PPE: Personal Protection Equipment