



Safety Data Sheet

EMULSIO NATURALE STIRABENE

Safety Data Sheet dated 19/3/2019, version 5

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

- 1.1. Product identifier
Mixture identification
Trade name: EMULSIO NATURALE STIRABENE
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use:
Starch spray.
Consumer use (SU21)
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)
Warning, Aerosols 3, Pressurized container: may burst if heated.
- Adverse physicochemical, human health and environmental effects:
No other hazards
- 2.2. Label elements
Hazard pictograms:
None
- Warning
Hazard statements:
H229 Pressurized container: may burst if heated.
- 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.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251 Do not pierce or burn, even after use.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.
- Special Provisions:
None
- The product also contains: Perfumes
Preservatives: BENZISOTHIAZOLINONE, LAURYLAMINE
DIPROPYLENEDIAMINE, SODIUM PYRITHIONE
- Special provisions according to Annex XVII of REACH and subsequent amendments:
Restricted to professional users.

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- 2.3. Other hazards
vPvB Substances: None - PBT Substances: None
Other Hazards:
No other hazards

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:
Not applicable, the product does not contain ingredients classified as hazardous or components with exposure limits in quantities requiring reporting in this section.

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.

SECTION 5: Firefighting measures

- 5.1. Extinguishing media
Suitable extinguishing media:
Water.
Carbon dioxide (CO₂).
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.
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).

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

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
 - Avoid contact with skin and eyes, inhalation of vapours and mists.
 - Don't use empty container before they have been cleaned.
 - Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
 - Contaminated clothing should be changed before entering eating areas.
 - 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 place with flame proof system.
 - Store in a cool and well ventilated place.
 - Store away from heat sources.
 - Do not store in open or unlabeled containers.
 - Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.
 - Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
 - 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

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. elow, listed occupational exposure limits, if available, for the components listed in paragraph 3.2.
 - No occupational exposure limit available
- DNEL Exposure Limit Values
 - Until the revision date of this document, no experimental data are available for the mixture.

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Below, listed the DNEL exposure limits, if available, for the components listed in paragraph 3.2.

Not applicable

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.

Not applicable

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:

Closed containers may explode if heated.

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: | Not applicable (aerosol) | -- | Parameter not relevant for the type of product |
| Odour: | Floral | Olfactory | -- |
| Odour threshold: | Evident | Olfactory | -- |
| pH: | Not Relevant | -- | Parameter not relevant for the type of product |
| Melting point / freezing point: | Not Relevant | -- | Parameter not relevant for the type of product |
| Initial boiling point and boiling range: | Not Relevant | -- | Parameter not relevant for the type of product |
| Flash point: | Not Relevant | -- | Parameter not relevant for the type of product |
| 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 |

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| | | | |
|--|--------------|----|---|
| 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: | Not Relevant | -- | Parameter not relevant for the type of product |
| Solubility in water: | Partial | -- | Internal tests |
| Solubility in oil: | None | -- | 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: | Not Relevant | -- | Parameter not relevant for the type of product |
| 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

Avoid direct sunlight and exposure to heat sources.

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.

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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.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the product:

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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.

Not applicable

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.

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Not classified for environmental hazards

Based on available data, the classification criteria are not met

12.2. Persistence and degradability

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

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Below are reported, if available, the eco-toxicological information of the components listed in paragraph 3.2.
Not applicable

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.
Not applicable

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.

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.

SECTION 14: Transport information



14.1. UN number

ADR-UN Number: 1950
IATA-UN Number: 1950
IMDG-UN Number: 1950

14.2. UN proper shipping name

ADR-Shipping Name: AEROSOLS, NOT FLAMMABLE
IATA-Shipping Name: AEROSOLS, NOT FLAMMABLE
IMDG-Shipping Name: AEROSOLS, NOT FLAMMABLE

14.3. Transport hazard class(es)

ADR-Class: 2.2
ADR - Hazard identification number: -
IATA-Class: 2.2
ADR/IATA/IMDG-Label: -
IMDG-Class: 2.2

14.4. Packing group

ADR-Packing Group: -

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| | |
|--|------------------------|
| IATA-Packing group: | - |
| IMDG-Packing group: | - |
| 14.5. Environmental hazards | |
| ADR-Environmental Pollutant: | No |
| IMDG-Marine pollutant: | No |
| 14.6. Special precautions for user | |
| ADR-Subsidiary risks: | See SP63 |
| ADR-S.P.: | 190 327 344 625 |
| ADR-Transport category (Tunnel restriction code): | E |
| IATA-Passenger Aircraft: | 203 |
| IATA-Subsidiary risks: | - |
| IATA-Cargo Aircraft: | 203 |
| IATA-S.P.: | A98 A145 A167 A802 |
| IATA-ERG: | 2L |
| IMDG-SP | 63 190 277 327 344 959 |
| IMDG-EmS: | F-D , S-U |
| IMDG-Subsidiary risks: | - |
| IMDG-Stowage and handling: | SW1 SW22 |
| IMDG-Segregation: | SG69 |
| 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code | |
| Not applicable | |

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)
 - Regulation (EU) n. 2016/918 (ATP 8 CLP)
 - Regulation (EU) n. 2016/1179 (ATP 9 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.
- No Chemical Safety Assessment has been carried out for the mixture.

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Substances for which a Chemical Safety Assessment has been carried out:
None

SECTION 16: Other information

| Hazard class and hazard category | Code | Description |
|----------------------------------|-------|---------------------|
| Aerosols 3 | 2.3/3 | Aerosol, Category 3 |

Paragraphs modified from the previous revision:

SECTION 1: Identification of the substance/mixture and of the company/undertaking
SECTION 9: Physical and chemical properties
SECTION 12: Ecological information
SECTION 14: Transport information
SECTION 15: Regulatory information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

| Classification according to Regulation (EC) Nr. 1272/2008 | Classification procedure |
|---|--------------------------|
| Aerosols 3, H229 | On basis of test data |

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. |



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|-------------------|---|
| 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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ANNEX I

CONSUMER PRODUCT AEROSOL – DETERGENT FOR HARD SURFACES

| | |
|---|---|
| Title of exposure scenario | |
| Detergent for general cleaning: Manual process. | |
| Use description | |
| Sector Use | SU21 – Consumer use |
| Product Category | PC35 – Washing and cleaning products (including solvent based products) |
| Description of activities/process considered on exposure scenario. | |
| Use following the use instruction as specified on the label. | |
| Frequency and duration | |
| Use phase | Periodic average use 2 times a week. |
| Relevant limit values of ingredients, if available, are stated in section 8 of the SDS. | |
| Physical appearance and concentration | |
| Aerosol. | |
| 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. | |
| Use conditions | |
| Room temperature | |
| Good general ventilation at workplace is sufficient. | |
| Do not damage or puncture the container. Follow instruction specified on the label or on SDS for storage and disposal consideration. | |
| Protection | |
| Avoid spray inhalation. | |
| 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. | |
| See section 6 of the SDS in case of accidental release | |
| 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. | |
| Environmental measures | |
| 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