



## SAFETY DATA SHEET OLEORESIN OREGANO NS

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

#### 1.1. Product identifier

Product name OLEORESIN OREGANO NS

Product number 63414

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

Identified uses Food / Feed additive Food industry

#### 1.3. Details of the supplier of the safety data sheet

Supplier Univar Solutions UK Ltd  
Aquarius House  
6 Mid Point Business Park  
Bradford  
BD3 7AY  
+44 1274 267300  
+44 1274 267306  
SDS.EMEA@univarsolutions.com

#### 1.4. Emergency telephone number

Emergency telephone SGS - +32 (0)3 575 55 55 (24h)

Sds No. 63414

### SECTION 2: Hazards identification

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

##### Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Repr. 2 - H361

Environmental hazards Aquatic Chronic 2 - H411

#### 2.2. Label elements

##### Hazard pictograms



Signal word Warning

Hazard statements  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H361 Suspected of damaging fertility or the unborn child.  
H411 Toxic to aquatic life with long lasting effects.

## OLEORESIN OREGANO NS

**Precautionary statements**

P202 Do not handle until all safety precautions have been read and understood.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501 Dispose of contents/ container in accordance with national regulations.

**Contains** CARVACROL, PARA CYMENE

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

|                                                                                                                                                |                      |               |
|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------|
| <b>CARVACROL</b>                                                                                                                               |                      | <b>10-30%</b> |
| CAS number: 499-75-2                                                                                                                           | EC number: 207-889-6 |               |
| <b>Classification</b><br>Acute Tox. 4 - H302<br>Skin Irrit. 2 - H315<br>Eye Irrit. 2 - H319<br>Skin Sens. 1 - H317<br>Aquatic Chronic 2 - H411 |                      |               |
| <b>PARA CYMENE</b>                                                                                                                             |                      | <b>1-5%</b>   |
| CAS number: 99-87-6                                                                                                                            | EC number: 202-796-7 |               |
| <b>Classification</b><br>Flam. Liq. 3 - H226<br>Repr. 2 - H361<br>Asp. Tox. 1 - H304<br>Aquatic Chronic 2 - H411                               |                      |               |
| <b>OCT-1-ENE-3-OL</b>                                                                                                                          |                      | <b>&lt;1%</b> |
| CAS number: 3391-86-4                                                                                                                          | EC number: 222-226-0 |               |
| M factor (Acute) = 1                                                                                                                           |                      |               |
| <b>Classification</b><br>Acute Tox. 4 - H302<br>Acute Tox. 4 - H332<br>Skin Irrit. 2 - H315<br>Eye Irrit. 2 - H319<br>Aquatic Acute 1 - H400   |                      |               |

The full text for all hazard statements is displayed in Section 16.

**Composition comments** The data shown are in accordance with the latest EC Directives.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

## OLEORESIN OREGANO NS

|                     |                                                                                                                                                                                                                                                      |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if symptoms are severe or persist.                                                                                        |
| <b>Ingestion</b>    | Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Get medical attention if symptoms are severe or persist. |
| <b>Skin contact</b> | Take off immediately all contaminated clothing. Wash skin thoroughly with soap and water. Continue to rinse. Get medical attention if symptoms are severe or persist.                                                                                |
| <b>Eye contact</b>  | Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist.                                                   |

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

|                     |                                                              |
|---------------------|--------------------------------------------------------------|
| <b>Skin contact</b> | Causes skin irritation. May cause an allergic skin reaction. |
| <b>Eye contact</b>  | Causes serious eye irritation.                               |

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

|                             |                        |
|-----------------------------|------------------------|
| <b>Notes for the doctor</b> | Treat symptomatically. |
|-----------------------------|------------------------|

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

|                                       |                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>   | Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. |
| <b>Unsuitable extinguishing media</b> | Do not use water jet as an extinguisher, as this will spread the fire.           |

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

|                                      |                                                                                                  |
|--------------------------------------|--------------------------------------------------------------------------------------------------|
| <b>Hazardous combustion products</b> | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. |
|--------------------------------------|--------------------------------------------------------------------------------------------------|

### **5.3. Advice for firefighters**

|                                                      |                                                                                                                     |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Protective actions during firefighting</b>        | Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. |
| <b>Special protective equipment for firefighters</b> | Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.               |

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

|                             |                                                                                                                                                                     |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions</b> | Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### **6.2. Environmental precautions**

|                                  |                                                                                                                                                                                                                             |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Environmental precautions</b> | Avoid the spillage or runoff entering drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### **6.3. Methods and material for containment and cleaning up**

|                                |                                                                                                                                                                                                                    |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Methods for cleaning up</b> | Absorb spillage with inert, damp, non-combustible material. Flush contaminated area with plenty of water. Collect and place in suitable waste disposal containers and seal securely. Provide adequate ventilation. |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### **6.4. Reference to other sections**

## OLEORESIN OREGANO NS

**Reference to other sections**      Wear protective clothing as described in Section 8 of this safety data sheet. Collect and dispose of spillage as indicated in Section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions**      Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. In case of insufficient ventilation, wear suitable respiratory equipment. Provide adequate ventilation.

**Advice on general occupational hygiene**      Do not eat, drink or smoke when using this product. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions**      Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store at temperatures above 8°C.

#### 7.3. Specific end use(s)

**Specific end use(s)**      The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

#### 8.2. Exposure controls

##### Protective equipment



**Eye/face protection**      Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with European Standard EN166.

**Hand protection**      The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, gloves should comply with European Standard EN374.

**Other skin and body protection**      Wear appropriate clothing to prevent any possibility of skin contact.

**Hygiene measures**      Wash at the end of each work shift and before eating, smoking and using the toilet. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

**Respiratory protection**      Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. If ventilation is inadequate, suitable respiratory protection must be worn. EN 136/140/141/145/143/149

### SECTION 9: Physical and chemical properties

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

**Appearance**      Liquid.

**Colour**      Greenish.

**Odour**      Characteristic.

## OLEORESIN OREGANO NS

|                                                     |                                                             |
|-----------------------------------------------------|-------------------------------------------------------------|
| <b>Odour threshold</b>                              | No information available.                                   |
| <b>pH</b>                                           | No information available.                                   |
| <b>Melting point</b>                                | No information available.                                   |
| <b>Pour Point</b>                                   | No information available.                                   |
| <b>Freezing Point</b>                               | No information available.                                   |
| <b>Initial boiling point and range</b>              | No information available.                                   |
| <b>Flash point</b>                                  | 82°C                                                        |
| <b>Evaporation rate</b>                             | No information available.                                   |
| <b>Evaporation factor</b>                           | No information available.                                   |
| <b>Flammability (solid, gas)</b>                    | No information available.                                   |
| <b>Upper/lower flammability or explosive limits</b> | No information available.                                   |
| <b>Other flammability</b>                           | No information available.                                   |
| <b>Vapour pressure</b>                              | No information available.                                   |
| <b>Vapour density</b>                               | No information available.                                   |
| <b>Relative density</b>                             | 0.940 - 0.980 @ 25°C                                        |
| <b>Bulk density</b>                                 | No information available.                                   |
| <b>Solubility(ies)</b>                              | No information available.                                   |
| <b>Partition coefficient</b>                        | No information available.                                   |
| <b>Auto-ignition temperature</b>                    | No information available.                                   |
| <b>Decomposition Temperature</b>                    | No information available.                                   |
| <b>Viscosity</b>                                    | No information available.                                   |
| <b>Explosive properties</b>                         | Not considered to be explosive.                             |
| <b>Explosive under the influence of a flame</b>     | No information available.                                   |
| <b>Oxidising properties</b>                         | Does not meet the criteria for classification as oxidising. |

### 9.2. Other information

|                                  |                           |
|----------------------------------|---------------------------|
| <b>Refractive index</b>          | 1.470 - 1.500             |
| <b>Particle size</b>             | No information available. |
| <b>Molecular weight</b>          | No information available. |
| <b>Volatility</b>                | No information available. |
| <b>Saturation concentration</b>  | No information available. |
| <b>Critical temperature</b>      | No information available. |
| <b>Volatile organic compound</b> | No information available. |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

## OLEORESIN OREGANO NS

**Reactivity** No test data specifically related to reactivity available for this product or its ingredients.

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Under normal conditions of storage and use, no hazardous reactions will occur.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid exposure to high temperatures or direct sunlight.

### 10.5. Incompatible materials

**Materials to avoid** Not determined.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Oxides of carbon.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

**ATE oral (mg/kg)** 3,115.38

#### Skin corrosion/irritation

**Skin corrosion/irritation** Causes skin irritation.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye irritation.

#### Respiratory sensitisation

**Respiratory sensitisation** No information available.

#### Skin sensitisation

**Skin sensitisation** May cause an allergic skin reaction.

#### Germ cell mutagenicity

**Genotoxicity - in vitro** No information available.

#### Carcinogenicity

**Carcinogenicity** No information available.

#### Reproductive toxicity

**Reproductive toxicity - fertility** Suspected of damaging fertility.

**Reproductive toxicity - development** Suspected of damaging the unborn child.

#### Specific target organ toxicity - single exposure

**STOT - single exposure** No information available.

#### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** No information available.

#### Aspiration hazard

**Aspiration hazard** No information available.

## OLEORESIN OREGANO NS

|                     |                                                                           |
|---------------------|---------------------------------------------------------------------------|
| <b>Inhalation</b>   | Gas or vapour in high concentrations may irritate the respiratory system. |
| <b>Ingestion</b>    | May be fatal if swallowed and enters airways.                             |
| <b>Skin contact</b> | Causes skin irritation. May cause an allergic skin reaction.              |
| <b>Eye contact</b>  | Causes serious eye irritation.                                            |

### Toxicological information on ingredients.

#### CARVACROL

##### Acute toxicity - oral

|                                              |       |
|----------------------------------------------|-------|
| Acute toxicity oral (LD <sub>50</sub> mg/kg) | 810.0 |
| Species                                      | Rat   |
| ATE oral (mg/kg)                             | 810.0 |

#### PARA CYMENE

##### Acute toxicity - oral

|                                              |                                        |
|----------------------------------------------|----------------------------------------|
| Acute toxicity oral (LD <sub>50</sub> mg/kg) | 3,669.0                                |
| Species                                      | Rat                                    |
| Notes (oral LD <sub>50</sub> )               | LD <sub>50</sub> 3669 mg/kg, Oral, Rat |
| ATE oral (mg/kg)                             | 3,669.0                                |

##### Aspiration hazard

|                   |                                               |
|-------------------|-----------------------------------------------|
| Aspiration hazard | May be fatal if swallowed and enters airways. |
|-------------------|-----------------------------------------------|

|                     |                                                                                                                                                |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing. |
| <b>Ingestion</b>    | May be fatal if swallowed and enters airways.                                                                                                  |
| <b>Skin contact</b> | Liquid may irritate skin. Repeated exposure may cause skin dryness or cracking.                                                                |
| <b>Eye contact</b>  | Vapour or spray in the eyes may cause irritation and smarting.                                                                                 |

#### OCT-1-ENE-3-OL

##### Acute toxicity - oral

|                                              |       |
|----------------------------------------------|-------|
| Acute toxicity oral (LD <sub>50</sub> mg/kg) | 340.0 |
| Species                                      | Rat   |
| ATE oral (mg/kg)                             | 340.0 |

##### Acute toxicity - dermal

|                                                |         |
|------------------------------------------------|---------|
| Acute toxicity dermal (LD <sub>50</sub> mg/kg) | 3,300.0 |
| Species                                        | Rabbit  |

## OLEORESIN OREGANO NS

|                    |         |
|--------------------|---------|
| ATE dermal (mg/kg) | 3,300.0 |
|--------------------|---------|

Acute toxicity - inhalation

|                            |         |
|----------------------------|---------|
| ATE inhalation (gases ppm) | 4,500.0 |
|----------------------------|---------|

|                               |      |
|-------------------------------|------|
| ATE inhalation (vapours mg/l) | 11.0 |
|-------------------------------|------|

|                                   |     |
|-----------------------------------|-----|
| ATE inhalation (dusts/mists mg/l) | 1.5 |
|-----------------------------------|-----|

## SECTION 12: Ecological information

|             |                                                  |
|-------------|--------------------------------------------------|
| Ecotoxicity | Toxic to aquatic life with long lasting effects. |
|-------------|--------------------------------------------------|

Ecological information on ingredients.PARA CYMENE

|             |                                                  |
|-------------|--------------------------------------------------|
| Ecotoxicity | Toxic to aquatic life with long lasting effects. |
|-------------|--------------------------------------------------|

12.1. Toxicity

|          |                        |
|----------|------------------------|
| Toxicity | Toxic to aquatic life. |
|----------|------------------------|

Ecological information on ingredients.PARA CYMENE

|          |                        |
|----------|------------------------|
| Toxicity | Toxic to aquatic life. |
|----------|------------------------|

Acute aquatic toxicity

|                       |                                          |
|-----------------------|------------------------------------------|
| Acute toxicity - fish | LC <sub>50</sub> , 96 hour: 48 ppm, Fish |
|-----------------------|------------------------------------------|

|                                        |                                                      |
|----------------------------------------|------------------------------------------------------|
| Acute toxicity - aquatic invertebrates | LC <sub>50</sub> , 48 hour: 6500 µg/l, Daphnia magna |
|----------------------------------------|------------------------------------------------------|

OCT-1-ENE-3-OLAcute aquatic toxicity

|                     |                               |
|---------------------|-------------------------------|
| LE(C) <sub>50</sub> | 0.1 < L(E)C <sub>50</sub> ≤ 1 |
|---------------------|-------------------------------|

|                  |   |
|------------------|---|
| M factor (Acute) | 1 |
|------------------|---|

|                       |                                             |
|-----------------------|---------------------------------------------|
| Acute toxicity - fish | LC <sub>50</sub> , 96 hours: 1.8 mg/l, Fish |
|-----------------------|---------------------------------------------|

12.2. Persistence and degradability

|                               |                                                         |
|-------------------------------|---------------------------------------------------------|
| Persistence and degradability | There are no data on the degradability of this product. |
|-------------------------------|---------------------------------------------------------|

Ecological information on ingredients.PARA CYMENE

|                               |                                                         |
|-------------------------------|---------------------------------------------------------|
| Persistence and degradability | There are no data on the degradability of this product. |
|-------------------------------|---------------------------------------------------------|

OCT-1-ENE-3-OL

|                               |                                         |
|-------------------------------|-----------------------------------------|
| Persistence and degradability | The substance is readily biodegradable. |
|-------------------------------|-----------------------------------------|

## OLEORESIN OREGANO NS

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** No information available.

Ecological information on ingredients.

### PARA CYMENE

**Bioaccumulative potential** No data available on bioaccumulation.

### 12.4. Mobility in soil

**Mobility** No information available.

Ecological information on ingredients.

### PARA CYMENE

**Mobility** Not determined.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

### PARA CYMENE

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### 12.6. Other adverse effects

**Other adverse effects** None known.

Ecological information on ingredients.

### PARA CYMENE

**Other adverse effects** No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Do not puncture or incinerate, even when empty. Empty containers or liners may retain some product residues and hence be potentially hazardous.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## SECTION 14: Transport information

**General** Wear protective clothing as described in Section 8 of this safety data sheet.

### 14.1. UN number

**UN No. (ADR/RID)** 3082

**UN No. (IMDG)** 3082

**UN No. (ICAO)** 3082

**UN No. (ADN)** 3082

## OLEORESIN OREGANO NS

### 14.2. UN proper shipping name

|                                |                                                                                       |
|--------------------------------|---------------------------------------------------------------------------------------|
| Proper shipping name (ADR/RID) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS CARVACROL, PARA CYMENE) |
| Proper shipping name (IMDG)    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS CARVACROL, PARA CYMENE) |
| Proper shipping name (ICAO)    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS CARVACROL, PARA CYMENE) |
| Proper shipping name (ADN)     | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS CARVACROL, PARA CYMENE) |

### 14.3. Transport hazard class(es)

|                             |    |
|-----------------------------|----|
| ADR/RID class               | 9  |
| ADR/RID classification code | M6 |
| ADR/RID label               | 9  |
| IMDG class                  | 9  |
| ICAO class/division         | 9  |
| ADN class                   | 9  |

Transport labels



### 14.4. Packing group

|                       |     |
|-----------------------|-----|
| ADR/RID packing group | III |
| IMDG packing group    | III |
| ICAO packing group    | III |
| ADN packing group     | III |

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



### 14.6. Special precautions for user

|                                        |          |
|----------------------------------------|----------|
| EmS                                    | F-A, S-F |
| ADR transport category                 | 3        |
| Emergency Action Code                  | •3Z      |
| Hazard Identification Number (ADR/RID) | 90       |
| Tunnel restriction code                | (-)      |

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

## OLEORESIN OREGANO NS

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

### SECTION 15: Regulatory information

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

##### EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).  
Commission Regulation (EU) No 2015/830 of 28 May 2015.  
This product may impact SEVESO storage regulations.

##### Restrictions (Annex XVII Regulation 1907/2006)

This product is/contains a substance that is included in REGULATION (EC) No 1907/2006 (REACH) ANNEX XVII - RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES. Entry number: 3

##### Seveso Directive - Control of major accident hazards E2

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

## OLEORESIN OREGANO NS

### Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.  
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.  
 CAS: Chemical Abstracts Service.  
 DNEL: Derived No Effect Level.  
 IATA: International Air Transport Association.  
 IMDG: International Maritime Dangerous Goods.  
 Kow: Octanol-water partition coefficient.  
 LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.  
 LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).  
 PBT: Persistent, Bioaccumulative and Toxic substance.  
 PNEC: Predicted No Effect Concentration.  
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.  
 RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.  
 vPvB: Very Persistent and Very Bioaccumulative.  
 IARC: International Agency for Research on Cancer.  
 MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.  
 cATpE: Converted Acute Toxicity Point Estimate.  
 BCF: Bioconcentration Factor.  
 BOD: Biochemical Oxygen Demand.  
 EC<sub>50</sub>: 50% of maximal Effective Concentration.  
 LOAEC: Lowest Observed Adverse Effect Concentration.  
 LOAEL: Lowest Observed Adverse Effect Level.  
 NOAEC: No Observed Adverse Effect Concentration.  
 NOAEL: No Observed Adverse Effect Level.  
 NOEC: No Observed Effect Concentration.  
 LOEC: Lowest Observed Effect Concentration.  
 DMEL: Derived Minimal Effect Level.  
 EL50: Exposure Limit 50  
 hPa: Hectopascal  
 LL50: Lethal Loading fifty  
 OECD: Organisation for Economic Co-operation and Development  
 POW: Octanol-water partition coefficient  
 SCBA: self-contained breathing apparatus  
 STP: Sewage Treatment Plant  
 VOC: Volatile Organic Compounds

### Classification abbreviations and acronyms

Acute Tox. = Acute toxicity  
 Aquatic Acute = Hazardous to the aquatic environment (acute)  
 Aquatic Chronic = Hazardous to the aquatic environment (chronic)

### Key literature references and sources for data

Supplier's information.

### Classification procedures according to Regulation (EC) 1272/2008

Skin Irrit. 2 - H315: Calculation method. Skin Sens. 1 - H317: Calculation method. Eye Irrit. 2 - H319: Calculation method. Repr. 2 - H361: Calculation method. Aquatic Chronic 2 - H411: Calculation method.

### Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

### Revision date

19/01/2022

**OLEORESIN OREGANO NS**

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Version number</b>            | 1.000                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>SDS number</b>                | 63414                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>SDS status</b>                | Approved.                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Hazard statements in full</b> | H226 Flammable liquid and vapour.<br>H302 Harmful if swallowed.<br>H304 May be fatal if swallowed and enters airways.<br>H315 Causes skin irritation.<br>H317 May cause an allergic skin reaction.<br>H319 Causes serious eye irritation.<br>H332 Harmful if inhaled.<br>H361 Suspected of damaging fertility or the unborn child.<br>H400 Very toxic to aquatic life.<br>H411 Toxic to aquatic life with long lasting effects. |
| <b>Signature</b>                 | Jitendra Panchal                                                                                                                                                                                                                                                                                                                                                                                                                |

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.