

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

### 1.1. Product identifier

|                               |                                                                                                                               |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Product form                  | : Substance                                                                                                                   |
| Trade name                    | : Nouracid CE 80                                                                                                              |
| IUPAC name                    | : Fatty acids, castor oil, polymerized                                                                                        |
| EC no.                        | : polymer                                                                                                                     |
| CAS No.                       | : 68604-47-7                                                                                                                  |
| REACH number                  | : all the ingredients of this product in the scope of Regulation 1907/2006/EC (REACH), if not exempted, have been registered. |
| C&L notification reference no | : 02-2119692922-27-0000                                                                                                       |
| Label name                    | : Polycinol ricinoleate                                                                                                       |

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

#### Relevant identified uses

|                                   |                         |
|-----------------------------------|-------------------------|
| Main use category                 | : Industrial use        |
| Industrial/Professional use spec. | : Isolated intermediate |

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

OLEON N.V.  
Assenedestraat 2  
BE 9940 Ertvelde  
Belgium  
T +32 9 341 10 11, F +32 9 341 10 00  
[sds@oleon.com](mailto:sds@oleon.com), [www.oleon.com](http://www.oleon.com)

### 1.4. Emergency telephone number

|                  |                                                                                                                           |
|------------------|---------------------------------------------------------------------------------------------------------------------------|
| Emergency number | : 24/7 EMERGENCY NUMBER (SGS ERS; Oleon contract nr 76858)<br>+32 3 575 55 55 (worldwide); +1 888 765 6554 (USA tollfree) |
|------------------|---------------------------------------------------------------------------------------------------------------------------|

## 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

No additional information available

### 2.2. Label elements

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

No labelling applicable

### 2.3. Other hazards

|                                                     |                                 |
|-----------------------------------------------------|---------------------------------|
| Other hazards which do not result in classification | : None under normal conditions. |
|-----------------------------------------------------|---------------------------------|

The substance is not 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

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Substance type : Polymer

| Name                                 | Product identifier                     | %   | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--------------------------------------|----------------------------------------|-----|-----------------------------------------------------------------|
| Fatty acids, castor oil, polymerized | CAS No.: 68604-47-7<br>EC no.: polymer | 100 | Not classified                                                  |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice.  
 First-aid measures after inhalation : Remove victim to fresh air. Respiratory problems: consult a doctor/medical service.  
 First-aid measures after skin contact : Wash off immediately with soap and plenty of water. If irritation persists, consult a doctor.  
 First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Consult an ophthalmologist if irritation persists.  
 First-aid measures after ingestion : Rinse mouth thoroughly with water. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects : No supplementary information available.  
 Symptoms/effects after inhalation : On heating: Irritation of the respiratory tract.

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

No supplementary information available.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : AFFF foam. BC-powder. Carbon dioxide. Dry sand. Dry chemical powder. Use the extinguishing media recommended for the burning materials and fire situation.  
 Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

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

Fire hazard : DIRECT FIRE HAZARD: Combustible. INDIRECT FIRE HAZARD: Heating may cause a fire or explosion. Temperature above flashpoint: higher fire/explosion hazard.  
 Explosion hazard : DIRECT EXPLOSION HAZARD: Fine dust dispersed in air may ignite. INDIRECT EXPLOSION HAZARD: Dust cloud can be ignited by a spark.

### 5.3. Advice for firefighters

Other information : No supplementary information available.

## SECTION 6: Accidental release measures

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

General measures : Mark the danger area. Caution : this product can cause the floor to be slippery. Wash contaminated clothing before reuse. In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.

#### For non-emergency personnel

Protective equipment : See "Material-Handling" to select protective clothing.

#### For emergency responders

Protective equipment : For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Prevent soil and water pollution. Do not allow product to spread into the environment.

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

For containment : Knock down/dilute dust cloud with water spray.  
Methods for cleaning up : Spills of this product present a serious slipping hazard. If melted: allow liquid to solidify before taking it up. Sweep or shovel spills into appropriate container for disposal. Clean contaminated surfaces with a soap solution. Flush/dilute with water. Clear up spills immediately and dispose of waste safely.  
Other information : No supplementary information available.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Handling temperature :  $\geq 10\text{ }^{\circ}\text{C}$  above melting point

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

Information on mixed storage : KEEP AWAY FROM: Acids. strong acids. bases. strong bases.  
Storage area : Keep container in a well-ventilated place. Store at ambient temperature. Keep out of direct sunlight. Meet the legal requirements.  
Special rules on packaging : Store in a closed container. Suitably labelled. Meet the legal requirements.  
Packaging materials : Suitable materials for containers. Aluminium. Glass. Stainless steel. Do not store in corrodable metal.

### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

##### Personal protection equipment

##### Personal protective equipment:

Gloves. Protective clothing. Safety glasses.

##### Personal protective equipment symbol(s):



##### Skin protection

##### Other skin protection

##### Materials for protective clothing:

Good resistance: Nitrile rubber

### SECTION 9: Physical and chemical properties

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

|                                                 |                                                      |
|-------------------------------------------------|------------------------------------------------------|
| Physical state                                  | : Liquid                                             |
| Colour                                          | : Yellow to brown.                                   |
| Appearance (room temperature)                   | : Depending on ambient temperature: solid or liquid. |
| Odour                                           | : Characteristic. Mild odor.                         |
| Odour threshold                                 | : Not available                                      |
| Melting point                                   | : < -10 °C                                           |
| Freezing point                                  | : Not available                                      |
| Boiling point                                   | : > 200 °C                                           |
| HMIS Flammability                               | : Not available                                      |
| Explosive properties                            | : Not explosive.                                     |
| Oxidising properties                            | : Not oxidising.                                     |
| Lower explosion limit                           | : Not available                                      |
| Upper explosion limit                           | : Not available                                      |
| Flash point                                     | : > 100 °C (ASTM D92)                                |
| Auto-ignition temperature                       | : > 250 °C                                           |
| Decomposition temperature                       | : Not available                                      |
| pH                                              | : < 7                                                |
| Viscosity, kinematic                            | : 1550.802 mm <sup>2</sup> /s                        |
| Viscosity, dynamic                              | : ca. 1450 mPa·s (20°C)                              |
| Solubility                                      | : Water: < 0.005 g/100ml (25°C)                      |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                                      |
| Partition coefficient n-octanol/water (Log Pow) | : > 5 (est.)                                         |
| Vapour pressure                                 | : < 0.01 hPa (20°C)                                  |
| Vapour pressure at 50 °C                        | : Not available                                      |
| Density                                         | : ca. 935 kg/m <sup>3</sup> (20°C)                   |
| Relative density                                | : Not available                                      |
| Relative vapour density at 20°C                 | : Not available                                      |
| Particle characteristics                        | : Not applicable                                     |

### 9.2. Other information

#### Other safety characteristics

VOC content : < 1 % (1999/13/EC; 2004/42/EC; 2010/75/EU; SR 814.018)  
Other properties : Poorly soluble in water, Soluble in oils/fats, Soluble in most organic solvents

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

On burning: release of carbon monoxide/carbon dioxide.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No supplementary information available.

### 10.5. Incompatible materials

No supplementary information available.

### 10.6. Hazardous decomposition products

No supplementary information available.

## SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### Nouracid CE 80 (68604-47-7)

|               |                        |
|---------------|------------------------|
| LD50 oral rat | > 2000 mg/kg Non-toxic |
|---------------|------------------------|

Skin corrosion/irritation : Not classified  
pH: < 7

Serious eye damage/irritation : Not classified  
pH: < 7

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

**Nouracid CE 80 (68604-47-7)**

|                      |                           |
|----------------------|---------------------------|
| Viscosity, kinematic | 1550.8 mm <sup>2</sup> /s |
|----------------------|---------------------------|

**11.2. Information on other hazards**

**Endocrine disrupting properties**

Adverse health effects caused by endocrine disrupting properties : The substance/mixture has no endocrine disrupting properties.

**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. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Ecology - air : No supplementary information available.

Ecology - water : No data available concerning bioaccumulation

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

**12.2. Persistence and degradability**

**Nouracid CE 80 (68604-47-7)**

|                               |                                   |
|-------------------------------|-----------------------------------|
| Persistence and degradability | Rapidly degradable                |
| ThOD                          | 2.9 g O <sub>2</sub> /g substance |

**12.3. Bioaccumulative potential**

**Nouracid CE 80 (68604-47-7)**

|                                                 |            |
|-------------------------------------------------|------------|
| Partition coefficient n-octanol/water (Log Pow) | > 5 (est.) |
|-------------------------------------------------|------------|

**12.4. Mobility in soil**

**Nouracid CE 80 (68604-47-7)**

|                 |                   |
|-----------------|-------------------|
| Surface tension | ≈ 0.03 N/m (20°C) |
|-----------------|-------------------|

**12.5. Results of PBT and vPvB assessment**

No additional information available

**12.6. Endocrine disrupting properties**

Adverse effects on the environment caused by endocrine disrupting properties : The substance is not 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.

## 12.7. Other adverse effects

### Nouracid CE 80 (68604-47-7)

|                   |                                        |
|-------------------|----------------------------------------|
| Other information | No supplementary information available |
|-------------------|----------------------------------------|

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                                           |                                                                                                   |
|-------------------------------------------|---------------------------------------------------------------------------------------------------|
| Disposal                                  | : No supplementary information available                                                          |
| Regional waste regulation                 | : No supplementary information available.                                                         |
| Ecological waste information              | : Do not discharge into drains or the environment. Remove to an authorized waste treatment plant. |
| European List of Waste (LoW, EC 2000/532) | : No supplementary information available                                                          |

## SECTION 14: Transport information

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

| ADR                                     | IMDG                                                      | IATA                              | ADN                               | RID                               |
|-----------------------------------------|-----------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| <b>14.1. UN number or ID number</b>     |                                                           |                                   |                                   |                                   |
| Not regulated for transport             |                                                           |                                   |                                   |                                   |
| <b>14.2. UN proper shipping name</b>    |                                                           |                                   |                                   |                                   |
| Not applicable                          | Not applicable                                            | Not applicable                    | Not applicable                    | Not applicable                    |
| <b>14.3. Transport hazard class(es)</b> |                                                           |                                   |                                   |                                   |
| Not applicable                          | -                                                         | Not applicable                    | Not applicable                    | Not applicable                    |
| <b>14.4. Packing group</b>              |                                                           |                                   |                                   |                                   |
| Not applicable                          | Not applicable                                            | Not applicable                    | Not applicable                    | Not applicable                    |
| <b>14.5. Environmental hazards</b>      |                                                           |                                   |                                   |                                   |
| Dangerous for the environment: No       | Dangerous for the environment: No<br>Marine pollutant: No | Dangerous for the environment: No | Dangerous for the environment: No | Dangerous for the environment: No |
| No supplementary information available  |                                                           |                                   |                                   |                                   |

### 14.6. Special precautions for user

#### Overland transport

Transport regulations (ADR) : Not subject

#### Transport by sea

Transport regulations (IMDG) : Not subject

#### Air transport

No data available

#### Inland waterway transport

No data available

### Rail transport

Transport regulations (RID) : Not subject

### 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

#### EU-Regulations

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

Not listed on REACH Annex XVII

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

Not listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Not listed on the REACH Candidate List

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

Not listed on the PIC list (Regulation EU 649/2012)

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

Not listed on the POP list (Regulation EU 2019/1021)

##### Ozone Regulation (2024/590)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)

##### Council Regulation (EC) for the control of dual-use items

Not listed on the COUNCIL REGULATION (EC) of dual-use items.

##### VOC Directive (2004/42)

VOC content : < 1 % (1999/13/EC; 2004/42/EC; 2010/75/EU; SR 814.018)

##### Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

##### Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### National regulations

|                          |                                                                                                                                 |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Chemical inventories     | : Compliant with DSL, EU REACH, IECSC, Japan ENCS, Japan ISHL, KECL, KKDIK, KREACH, NCI, TCSI, TECI_DIW, TR EAEU, TSCA, UKREACH |
| KKDIK number (Turkey)    | : all the ingredients of this product in the scope of KKDIK, if not exempted, have been (pre-)registered.                       |
| K-REACH (Korea)          | : exempted from registration according to K-REACH (Polymer of low concern)                                                      |
| UK-REACH (Great Britain) | : all the ingredients of this product in the scope of UK-REACH, if not exempted, have been notified.                            |
| Swiss ChemO (SR 813.11)  | : This substance is not subject to the obligation to notify pursuant to art.26 item 'a' of the Chemicals Ordinance (ChemO)      |

### Germany

Water hazard class (WGK) : WGK 1, Slightly hazardous to water.  
VOC content : < 1 % (1999/13/EC; 2004/42/EC; 2010/75/EU; SR 814.018)

### Netherlands

ABM category : B(4) - low hazard for aquatic organisms  
SZW List of Carcinogenic Substances : The substance is not listed  
SZW List of Mutagenic Substances : The substance is not listed  
SZW List of Reprotoxic Substances – Breastfeeding : The substance is not listed  
SZW List of Reprotoxic Substances – Fertility : The substance is not listed  
SZW List of Reprotoxic Substances – Development : The substance is not listed

## 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Training advice : No supplementary information available.  
Chemical inventories legend : DSL = Canadian Domestic Substances List  
EU REACH = European Union REACH Regulation 1907/2006  
IECSC = Inventory of Existing Chemicals Substances in China  
Japan ENCS = Japanese Existing Chemical Substances (ISHL)  
Japan ISHL = Japanese Existing and New Chemical Substances (CSCL)  
KECL = Korean Existing Chemical List  
KKDIK = Turkey REACH Regulation No.30105  
KREACH = K-REACH Act No. 11789  
NCI = Vietnam National Chemical Inventory  
TCSI = Taiwan Chemical Substance Inventory  
TECI\_DIW = Thailand Existing Chemicals Inventory - Department of Industrial Works List  
TR EAEU = Eurasian Economic Union Unified list of chemicals  
TSCA = USA Toxic Substances Control Act  
UKREACH = UK REACH (Amendment etc.) (EU Exit) Regulations 2019  
SDS changed sections : 15 - Regulatory information  
SDS Reason for revision : No supplementary information available  
Other information : No supplementary information available.

SDS EU Oleon Annex II

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.