

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

### 1.1. Product identifier

|                               |                                                                                                                                     |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Product form                  | : Substance                                                                                                                         |
| Trade name                    | : RADIA 7291                                                                                                                        |
| EC no.                        | : polymer                                                                                                                           |
| CAS No.                       | : polymer                                                                                                                           |
| REACH number                  | : all the ingredients of this product in the scope of Regulation 1907/2006/EC (REACH), if not exempted, have been (pre-)registered. |
| C&L notification reference no | : not applicable (non classified polymer)                                                                                           |
| Label name                    | : Polyester polyol végétal                                                                                                          |

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

#### 1.2.1. Relevant identified uses

|                                   |                       |
|-----------------------------------|-----------------------|
| Main use category                 | : Industrial use      |
| Industrial/Professional use spec. | : Wide dispersive use |

#### 1.2.2. Uses advised against

No additional information available

### 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) |
|------------------|---------------------------------------------------------------------------------------------------------------------------|

| Country | Official advisory body                                     | Address | Emergency number                                                                                                                            | Comment |
|---------|------------------------------------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------|---------|
|         | World directory of poisons centres (Yellow Tox)<br>WHO-OMS | Website | <a href="http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/">http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/</a> |         |

## 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

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Substance type : Polymer

| Name               | Product identifier                  | %   | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--------------------|-------------------------------------|-----|-----------------------------------------------------------------|
| "Polyol polyester" | CAS No.: polymer<br>EC no.: polymer | 100 | Not classified                                                  |

### 3.2. Mixtures

Not applicable

## 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. Consult an ophtalmologist if irritation persists.                                                                                                                             |
| First-aid measures after ingestion    | : Rinse mouth out with water. Get medical advice/attention if you feel unwell. Call a poison center ( <a href="http://www.who.int/ipcs/poisons/centre/directory/en">www.who.int/ipcs/poisons/centre/directory/en</a> ). |

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

Symptoms/effects : No supplementary information available.

### 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 | : Solid water jet ineffective as extinguishing medium.                                                                                                       |

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

- Fire hazard : DIRECT FIRE HAZARD: Combustible. INDIRECT FIRE HAZARD: Heating increases the fire hazard. Temperature above flashpoint: higher fire/explosion hazard.
- Explosion hazard : No direct explosion hazard.
- Reactivity in case of fire : On burning: release of carbon monoxide/carbon dioxide.

## 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. Exposure to fire/heat: have neighbourhood close doors and windows. Exposure to fire/heat: consider evacuation. Wash contaminated clothing before reuse.

### 6.1.1. For non-emergency personnel

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

### 6.1.2. For emergency responders

- Protective equipment : Use protective measures listed in Section 8.

## 6.2. Environmental precautions

Prevent soil and water pollution.

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

- Methods for cleaning up : Clean contaminated surfaces with a soap solution. Flush/dilute with water. Take up liquid spill into inert absorbent material, e.g.: sand, earth, vermiculite, powdered limestone.
- Other information : No supplementary information available.

## 6.4. Reference to other sections

Handle waste materials in accordance with the provisions of Section 13.

# SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

- Handling temperature :  $\geq 10$  °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 : No supplementary information available.

## 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

No additional information available

#### 8.2.2. Personal protection equipment

##### Personal protective equipment:

Gloves. Protective clothing. Safety glasses.

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



##### 8.2.2.1. Eye and face protection

No additional information available

##### 8.2.2.2. Skin protection

##### Other skin protection

##### Materials for protective clothing:

Good resistance: Nitrile rubber

##### 8.2.2.3. Respiratory protection

No additional information available

##### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

No additional information available

## 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)                   | : Viscous. Liquid.                       |
| Odour                                           | : Characteristic. Sweet odour.           |
| Odour threshold                                 | : Not available                          |
| Melting point                                   | : No supplementary information available |
| Freezing point                                  | : Not available                          |
| Boiling point                                   | : > 150 °C                               |
| HMIS Flammability                               | : Not available                          |
| Explosive limits                                | : Not available                          |
| Lower explosion limit                           | : Not available                          |
| Upper explosion limit                           | : Not available                          |
| Flash point                                     | : > 120 °C                               |
| Auto-ignition temperature                       | : > 250 °C                               |
| Decomposition temperature                       | : > Flash point                          |
| pH                                              | : Not available                          |
| Viscosity, kinematic                            | : Not available                          |
| Viscosity, dynamic                              | : ≤ 14 Pa·s (25°C)                       |
| Solubility                                      | : Not available                          |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                          |
| Vapour pressure                                 | : No supplementary information available |
| Vapour pressure at 50 °C                        | : Not available                          |
| Density                                         | : ca. 0.95                               |
| Relative density                                | : Not available                          |
| Relative vapour density at 20°C                 | : Not available                          |
| Particle characteristics                        | : Not applicable                         |

## 9.2. Other information

### 9.2.1. Information with regard to physical hazard classes

No additional information available

### 9.2.2. Other safety characteristics

|                  |                                                                              |
|------------------|------------------------------------------------------------------------------|
| VOC content      | : < 0.1 % (1999/13/EC; 2004/42/EC; 2010/75/EU)                               |
| Other properties | : Insoluble 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 |

#### RADIA 7291 (polymer)

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

|                                   |                  |
|-----------------------------------|------------------|
| Skin corrosion/irritation         | : Not classified |
| Serious eye damage/irritation     | : Not classified |
| 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 |

### 11.2. Information on other hazards

No additional information available

## 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 bioaccumulation data available                                                                                                                                                                                     |
| 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

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

## 12.4. Mobility in soil

### RADIA 7291 (polymer)

Ecology - soil

Biodegradability in soil: no data available.

## 12.5. Results of PBT and vPvB assessment

No additional information available

## 12.6. Endocrine disrupting properties

No additional information available

## 12.7. Other adverse effects

No additional information available

# SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

|                                   |                                                                                                                                                                                                                                                                 |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Disposal                          | : Prevent dispersion by covering with dry absorbent,Scoop solid spill into closing containers,Scoop absorbed substance into closing containers,Clean contaminated surfaces with an excess of water and soap solution,Wash clothing and equipment after handling |
| Regional legislation (waste)      | : No supplementary information available.                                                                                                                                                                                                                       |
| Ecology - waste materials         | : Do not discharge into drains or the environment. Remove to an authorized waste treatment plant.                                                                                                                                                               |
| European List of Waste (LoW) code | : No supplementary information available                                                                                                                                                                                                                        |

# SECTION 14: Transport information

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

## 14.1. UN number or ID number

|               |                  |
|---------------|------------------|
| UN-No. (ADR)  | : Not applicable |
| UN-No. (IMDG) | : Not applicable |
| UN-No. (IATA) | : Not applicable |
| UN-No. (ADN)  | : Not applicable |
| UN-No. (RID)  | : Not applicable |

## 14.2. UN proper shipping name

|                             |                  |
|-----------------------------|------------------|
| Proper Shipping Name (ADR)  | : Not applicable |
| Proper Shipping Name (IMDG) | : Not applicable |
| Proper Shipping Name (IATA) | : Not applicable |
| Proper Shipping Name (ADN)  | : Not applicable |
| Proper Shipping Name (RID)  | : Not applicable |

## 14.3. Transport hazard class(es)

|                                  |                  |
|----------------------------------|------------------|
| <b>ADR</b>                       |                  |
| Transport hazard class(es) (ADR) | : Not applicable |

|                                   |                  |
|-----------------------------------|------------------|
| <b>IMDG</b>                       |                  |
| Transport hazard class(es) (IMDG) | : Not applicable |

**IATA**

Transport hazard class(es) (IATA) : Not applicable

**ADN**

Transport hazard class(es) (ADN) : Not applicable

**RID**

Transport hazard class(es) (RID) : Not applicable

**14.4. Packing group**

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

**14.5. Environmental hazards**

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

**14.6. Special precautions for user**

**Overland transport**

No data available

**Transport by sea**

No data available

**Air transport**

No data available

**Inland waterway transport**

No data available

**Rail transport**

No data available

**14.7. Maritime transport in bulk according to IMO instruments**

Not applicable

**SECTION 15: Regulatory information**

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

**15.1.1. EU-Regulations**

**REACH Annex XVII (Restriction List)**

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 (1005/2009)

Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

#### VOC Directive (2004/42)

VOC content : < 0.1 % (1999/13/EC; 2004/42/EC; 2010/75/EU)

#### Explosives Precursors Regulation (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 (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)

#### 15.1.2. National regulations

|                          |                                                                                                           |
|--------------------------|-----------------------------------------------------------------------------------------------------------|
| Chemical inventories     | : Compliant with EU REACH                                                                                 |
| KKDIK number (Turkey)    | : all the ingredients of this product in the scope of KKDIK, if not exempted, have been (pre-)registered. |
| K-REACH (Korea)          | : not preregistered                                                                                       |
| UK-REACH (Great Britain) | : all the ingredients of this product in the scope of UK-REACH, if not exempted, have been notified.      |

#### Germany

|                                            |                                                                                                                |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Water hazard class (WGK)                   | : Not classified according to Regulation Governing Systems for Handling Substances Hazardous to Waters (AwSV). |
| Hazardous Incident Ordinance (12. BImSchV) | : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)                                             |

#### Netherlands

|                                                      |                                                                                                       |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| ABM category                                         | : A(4) - low hazard for aquatic organisms, may have longterm hazardous effects in aquatic environment |
| SZW-lijst van kankerverwekkende stoffen              | : The substance is not listed                                                                         |
| SZW-lijst van mutagene stoffen                       | : The substance is not listed                                                                         |
| SZW-lijst van reprotoxische stoffen – Borstvoeding   | : The substance is not listed                                                                         |
| SZW-lijst van reprotoxische stoffen – Vruchtbaarheid | : The substance is not listed                                                                         |
| SZW-lijst van reprotoxische stoffen – Ontwikkeling   | : The substance is not listed                                                                         |

#### 15.2. Chemical safety assessment

No additional information available

### SECTION 16: Other information

Training advice : No supplementary information available.

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|                          |                                                       |
|--------------------------|-------------------------------------------------------|
| Chem. inventories legend | : EU RECh = European Union REACH Regulation 1907/2006 |
| SDS changed sections     | : 9 - Physical and chemical properties                |
| SDS Reason for revision  | : No supplementary information available              |
| Other information        | : No supplementary information available.             |

The classification complies with : ATP 12

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.