

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

### 1.1. Product identifier

|                               |                                                                                                                               |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Product form                  | : Substance                                                                                                                   |
| Trade name                    | : RADIA 7282                                                                                                                  |
| EC no.                        | : polymer                                                                                                                     |
| CAS No.                       | : 177591-11-6                                                                                                                 |
| 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 | : not applicable (non classified polymer)                                                                                     |

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

#### Relevant identified uses

|                   |                  |
|-------------------|------------------|
| Main use category | : Industrial use |
|-------------------|------------------|

### 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 product does not meet the PBT and vPvB classification criteria

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] |
|------------------|-----------------------------------------|-----|-----------------------------------------------------------------|
| Polyol polyester | CAS No.: 177591-11-6<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. Consult an ophthalmologist 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 ([www.who.int/ipcs/poisons/centre/directory/en](http://www.who.int/ipcs/poisons/centre/directory/en)).

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

Symptoms/effects : Unlikely.

### 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 water jet.

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

Fire hazard : DIRECT FIRE HAZARD: Not easily combustible. In finely divided state: increased fire hazard.  
 INDIRECT 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. Prevent dust cloud formation, e.g. by wetting. Dust production: have neighbourhood close doors and windows. Exposure to fire/heat: have neighbourhood close doors and windows. In case of dust production: no naked flames or sparks. Dust: spark-/explosionproof appliances/lighting equipment.

#### 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.

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

For containment : Knock down/dilute dust cloud with water spray.  
Methods for cleaning up : Carefully collect the spill/leftovers. If melted: allow liquid to solidify before taking it up. Scoop solid spill into closing containers or synthetic bags. Clean contaminated surfaces with a soap solution. Flush/dilute with water.  
Other information : No supplementary information available.

### 6.4. Reference to other sections

Concerning disposal elimination after cleaning, see 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

Heat and ignition sources : KEEP AWAY FROM: Ignition sources.  
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

No additional information available

## 8.2. Exposure controls

### Personal protection equipment

#### Personal protective equipment:

Gloves. Protective clothing. Safety glasses.

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



### Eye and face protection

#### Eye protection:

Wear eye protection

### Skin protection

#### Skin and body protection:

Wear suitable protective clothing

#### Hand protection:

Wear protective gloves

#### Other skin protection

#### Materials for protective clothing:

Good resistance: Nitrile rubber

### Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

## SECTION 9: Physical and chemical properties

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

|                               |                                   |
|-------------------------------|-----------------------------------|
| Physical state                | : Solid                           |
| Colour                        | : Light yellow to amber.          |
| Appearance (room temperature) | : Solid in various shapes. Wax.   |
| Odour                         | : Sweet, characteristic.          |
| Odour threshold               | : Not available                   |
| Melting point                 | : ca. 30 °C                       |
| Freezing point                | : Not available                   |
| Boiling point                 | : > 250 °C                        |
| HMIS Flammability             | : Not available                   |
| Explosive properties          | : Predicted negative.             |
| Lower explosion limit         | : Not applicable                  |
| Upper explosion limit         | : Not applicable                  |
| Flash point                   | : ≈ 320 °C (ASTM D92)             |
| Auto-ignition temperature     | : ca. 340 °C (ASTM D92)           |
| Decomposition temperature     | : Flash point                     |
| pH                            | : 5 – 8                           |
| pH solution                   | : Not available                   |
| Viscosity, kinematic          | : ca. 3167.899 mm <sup>2</sup> /s |
| Viscosity, dynamic            | : ca. 3 Pa·s (40°C)               |
| Solubility                    | : Not available                   |

|                                                 |                                   |
|-------------------------------------------------|-----------------------------------|
| Partition coefficient n-octanol/water (Log Kow) | : Not available                   |
| Partition coefficient n-octanol/water (Log Pow) | : > 5                             |
| Vapour pressure                                 | : < 0.01 hPa (20°C)               |
| Vapour pressure at 50 °C                        | : Not available                   |
| Density                                         | : 0.947 g/cm <sup>3</sup> (100°C) |
| Relative density                                | : Not available                   |
| Relative vapour density at 20°C                 | : Not applicable                  |
| Particle size                                   | : Not available                   |
| Particle aggregation state                      | : Non-nano particles              |

## 9.2. Other information

### Other safety characteristics

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

## 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 7282 (177591-11-6)

|                                   |                               |
|-----------------------------------|-------------------------------|
| LD50 oral rat                     | > 5000 mg/kg Non-toxic        |
| Skin corrosion/irritation         | : Not classified<br>pH: 5 – 8 |
| Serious eye damage/irritation     | : Not classified<br>pH: 5 – 8 |
| 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 |

#### RADIA 7282 (177591-11-6)

|                      |                               |
|----------------------|-------------------------------|
| Viscosity, kinematic | ca. 3167.9 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 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

#### RADIA 7282 (177591-11-6)

|                               |                    |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |
|-------------------------------|--------------------|

### 12.3. Bioaccumulative potential

#### RADIA 7282 (177591-11-6)

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

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

#### RADIA 7282 (177591-11-6)

The product does not meet the PBT and vPvB classification criteria

## 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

### RADIA 7282 (177591-11-6)

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

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Disposal : Scoop solid spill into closing containers, Powdered: do not use compressed air for pumping over spills, Clean contaminated surfaces with a soap solution

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 regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.3. Transport hazard class(es)</b> |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.4. Packing group</b>              |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.5. Environmental hazards</b>      |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| Marine pollutant: no                    |               |               |               |               |

### 14.6. Special precautions for user

#### Overland transport

Not regulated

#### Transport by sea

Not regulated

**Air transport**

Not regulated

**Inland waterway transport**

Not regulated

**Rail transport**

Not regulated

**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 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**

|                          |                                                                                                                            |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Related CAS RN           | : 171542-56-6                                                                                                              |
| Chemical inventories     | : Compliant with AICIS, DSL, ECST, EU REACH, IECSC, KECL, TCSI, TR EAEU, TSCA                                              |
| 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

|                                       |                                                                          |                                                          |
|---------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------|
| VOC ordinance (ChemVOCFarbV)          | : VOC content                                                            | : < 1 % (1999/13/EC; 2004/42/EC; 2010/75/EU; SR 814.018) |
|                                       | Maximum content of VOC                                                   | : 0.00 g/l                                               |
| Water hazard class (WGK)              | : WGK 1, Slightly hazardous to water (Classification according to AwSV). |                                                          |
| Override matching entry (12. BImSchV) | : Is not subject to the Major Accidents 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                                                                         |

#### Denmark

|                        |                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------|
| Classification remarks | : Emergency management guidelines for the storage of flammable liquids must be followed |
|------------------------|-----------------------------------------------------------------------------------------|

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Training advice          | : No supplementary information available.                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Chem. inventories legend | : AICIS = Australian Inventory of Industrial Chemicals<br>DSL = Canadian Domestic Substances List<br>ECST = Existing Chemical Substances Inventory of Taiwan<br>EU REACH = European Union REACH Regulation 1907/2006<br>IECSC = Inventory of Existing Chemicals Substances in China<br>KECL = Korean Existing Chemical List<br>TCSI = Taiwan Chemical Substance Inventory<br>TR EAEU = Eurasian Economic Union Unified list of chemicals<br>TSCA = USA Toxic Substances Control Act |
| 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.