

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

|                               |                                            |
|-------------------------------|--------------------------------------------|
| Product form                  | : Substance (UVCB)                         |
| Trade name                    | : RADIACID 1163                            |
| IUPAC name                    | : Fatty acids, rape-oil                    |
| EC no.                        | : 288-314-6                                |
| CAS No.                       | : 85711-54-2                               |
| REACH registration No         | : 1907/2006/EC Annex V.9                   |
| C&L notification reference no | : not applicable (non classified; Annex V) |
| Label name                    | : Rapeseed oil fatty acid, distilled       |

**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            |
| Use of the substance/mixture | : Fit for use in foodstuffs |

**1.2.2. Uses advised against**

No additional information available

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

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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

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

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Substance type : UVCB

| Name                  | Product identifier                                                              | %   |
|-----------------------|---------------------------------------------------------------------------------|-----|
| Fatty acids, rape-oil | CAS No.: 85711-54-2<br>EC no.: 288-314-6<br>REACH-no: 1907/2006/EC<br>Annex V.9 | 100 |

### 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 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 increases the fire hazard. 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.                      |
| 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. 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. |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### 6.1.1. For non-emergency personnel

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

#### 6.1.2. 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 | : $\geq 10$ °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

#### 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 dark yellow.           |
| Appearance (room temperature)                   | : Liquid.                          |
| Odour                                           | : Characteristic. Mild odor.       |
| Odour threshold                                 | : Not available                    |
| Melting point                                   | : ca. 15 °C                        |
| Freezing point                                  | : Not available                    |
| Boiling point                                   | : > 200 °C                         |
| HMIS Flammability                               | : Not available                    |
| Explosive limits                                | : Not available                    |
| Lower explosion limit                           | : Not available                    |
| Upper explosion limit                           | : Not available                    |
| Flash point                                     | : > 100 °C (ASTM D92)              |
| Auto-ignition temperature                       | : > 250 °C                         |
| Decomposition temperature                       | : > Flash point                    |
| pH                                              | : < 7                              |
| Viscosity, kinematic                            | : ca. 88.889 mm <sup>2</sup> /s    |
| Viscosity, dynamic                              | : ca. 80 mPa.s (60-100) @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. 900 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

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

No additional information available

#### 9.2.2. 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

##### RADIACID 1163 (85711-54-2)

|               |                        |
|---------------|------------------------|
| 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

##### RADIACID 1163 (85711-54-2)

|                      |                               |
|----------------------|-------------------------------|
| Viscosity, kinematic | ca. 88.889 mm <sup>2</sup> /s |
|----------------------|-------------------------------|

#### 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 : Not classified  
(chronic)

## 12.2. Persistence and degradability

### RADIACID 1163 (85711-54-2)

|                               |                                                            |
|-------------------------------|------------------------------------------------------------|
| Persistence and degradability | Readily biodegradable, according to appropriate OECD test. |
| ThOD                          | 2.9 g O <sub>2</sub> /g substance                          |

## 12.3. Bioaccumulative potential

### RADIACID 1163 (85711-54-2)

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

## 12.4. Mobility in soil

### RADIACID 1163 (85711-54-2)

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

## 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                          | : No supplementary information available                                                          |
| 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)

##### ADR

|                                  |                  |
|----------------------------------|------------------|
| Transport hazard class(es) (ADR) | : Not applicable |
|----------------------------------|------------------|

##### IMDG

|                                   |                  |
|-----------------------------------|------------------|
| 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             | : Marine pollutant: no |

#### 14.6. Special precautions for user

##### Overland transport

Not applicable

##### Transport by sea

Not applicable

##### Air transport

Not applicable

##### Inland waterway transport

Not applicable



**Rail transport**

Not applicable

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

**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 AIIC, DSL, EAEU, ECST, ENCS, EU REACH, IECSC, ISHL, KECL, NZIoC, PICCS, VNCI                       |
| KKDIK number (Turkey)    | : KKDIK Annex V.9                                                                                                   |
| K-REACH (Korea)          | : exempted from (pre)registration according to K-REACH Appendix 1.4                                                 |
| UK-REACH (Great Britain) | : exempted from registration                                                                                        |
| Swiss ChemO (SR 813.11)  | : This substance is not subject to the obligation to register pursuant to art.61 of the Chemicals Ordinance (ChemO) |

**Germany**

|                                            |                                                                                      |
|--------------------------------------------|--------------------------------------------------------------------------------------|
| Water hazard class (WGK)                   | : WGK 1, Slightly hazardous to water (Classification according to AwSV; ID No. 659). |
| Hazardous Incident Ordinance (12. BImSchV) | : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)                   |

**Netherlands**

|              |                                           |
|--------------|-------------------------------------------|
| ABM category | : B(4) - low hazard for aquatic organisms |
|--------------|-------------------------------------------|

|                                                    |                               |
|----------------------------------------------------|-------------------------------|
| 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 –              | : The substance is not listed |
| Vruchtbaarheid                                     |                               |
| SZW-lijst van reprotoxische stoffen – Ontwikkeling | : The substance is not listed |

### Switzerland

|                    |                      |
|--------------------|----------------------|
| Storage class (LK) | : LK 10/12 - Liquids |
|--------------------|----------------------|

## 15.2. Chemical safety assessment

No chemical safety assessment needed: the substance is not classified and exempt from Regulation EC No 1907/2006 (REACH) under Annex V, point 9.

## SECTION 16: Other information

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Training advice          | : No supplementary information available.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Chem. inventories legend | : AIIC = Australian Inventory of Industrial Chemicals<br>DSL = Canadian Domestic Substances List<br>EAEU = Eurasian Economic Union Unified list of chemicals<br>ECST = Existing Chemical Substances Inventory of Taiwan<br>ENCS = Japanese Existing and New Chemicals Substances List<br>EU REACH = European Union REACH Regulation 1907/2006<br>IECSC = Inventory of Existing Chemicals Substances in China<br>ISHL = Japanese Industrial Safety and Health Law Substances<br>KECL = Korean Existing Chemical List<br>NZIoC = New Zealand Inventory of Chemicals<br>PICCS = Philippine Inventory of Chemicals and Chemical Substances<br>VNCI = Vietnam National Chemicals Inventory |
| SDS changed sections     | : 9 - Physical and chemical properties                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 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.