

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

### 1.1. Product identifier

Product form : Substance(UVCB)  
Public name : Fatty acids dimers & derivatives  
C&L notification reference no : not applicable (REACH registered substance)

### 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

#### 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  
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 EMERGENCYNUMBER (SGS ERS; Oleon contract nr 76858)  
+ 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) 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 : UVCB

| Name                             | Product identifier | %   | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|----------------------------------|--------------------|-----|-----------------------------------------------------------------|
| Fatty acids dimers & derivatives |                    | 100 | Not classified                                                  |

Full text of H-statements: see section 16

### 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 the victim into fresh air. Respiratory problems: consult a doctor/medical service.                                                                                                                                       |
| First-aid measures after skin contact | : Wash immediately with lots of water. Soap may be used. Take victim to a doctor if irritation persists.                                                                                                                          |
| First-aid measures after eye contact  | : Rinse immediately with plenty of water. Take victim to an ophthalmologist if irritation persists.                                                                                                                               |
| First-aid measures after ingestion    | : Rinse mouth with water. Call Poison Information Centre ( <a href="http://www.who.int/ipcs/poisons/centre/directory/en">www.who.int/ipcs/poisons/centre/directory/en</a> ). Consult a doctor/medical service if you feel unwell. |

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

|                                   |                                                    |
|-----------------------------------|----------------------------------------------------|
| Symptoms/effects after inhalation | : ON HEATING: Irritation of the respiratory tract. |
| 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. Adapt extinguishing media to the environment. |
| Unsuitable extinguishing media | : Solid waterjet 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 | : DIRECT EXPLOSION HAZARD: Fine dust is explosive with air. 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. Exposure to heat: have neighbourhood close doors and windows. Exposure to fire/heat: consider evacuation. Wash contaminated clothes. |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### 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

|                         |                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 into synthetic bags. Clean contaminated surfaces with an excess of water and soap solution. |
| 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 SUBSTANCE AWAYFROM: ignition sources. (strong) acids. (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   | : SPECIAL REQUIREMENTS: closing. correctly labelled. meet the legal requirements.                                                    |
| Packaging materials          | : SUITABLE MATERIAL: steel with plastic inner lining. stainless steel. aluminium.                                                    |

### 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 protective equipment     | : Gloves. Protective clothing. Safety glasses. |
| Materials for protective clothing | : GIVE GOOD RESISTANCE: nitrile rubber         |



## SECTION 9: Physical and chemical properties

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

|                                            |                                     |
|--------------------------------------------|-------------------------------------|
| Physical state                             | : Liquid                            |
| Appearance (room temperature)              | : Clear. Viscous.                   |
| Colour                                     | : Light yellow to dark yellow.      |
| Odour                                      | : Characteristic odour. Mild odour. |
| Odour threshold                            | : No data available                 |
| pH                                         | : < 7                               |
| Relative evaporation rate (butylacetate=1) | : No data available                 |
| Melting point                              | : < 20 °C                           |
| Freezing point                             | : No data available                 |
| Boiling point                              | : > 250 °C                          |
| Flash point                                | : > 150 °C (ASTM D92)               |
| Auto-ignition temperature                  | : > 300 °C                          |
| Decomposition temperature                  | : > Flash point                     |

|                                  |                                     |
|----------------------------------|-------------------------------------|
| Flammability (solid, gas)        | : No data available                 |
| Vapour pressure                  | : < 0,01 hPa (20°C)                 |
| Relative vapour density at 20 °C | : No data available                 |
| Relative density                 | : No data available                 |
| Density                          | : ca. 0,95 g/cm <sup>3</sup> (25°C) |
| Solubility                       | : Water: < 0,005 g/100ml (25°C)     |
| Log Pow                          | : > 5 (est.)                        |
| Viscosity, dynamic               | : > 8000 cP (25°C)                  |
| Explosive properties             | : No data available                 |
| Oxidising properties             | : No data available                 |
| Explosive limits                 | : No data available                 |

## 9.2. Other information

|                  |                                                                                    |
|------------------|------------------------------------------------------------------------------------|
| VOC content      | : < 0,1 % (1999/13/EC; 2004/42/EC; 2010/75/EU)                                     |
| 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 toxicological effects

|                |                  |
|----------------|------------------|
| Acute toxicity | : Not classified |
|----------------|------------------|

#### Fatty acids dimers & derivatives

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

|                                   |                             |
|-----------------------------------|-----------------------------|
| Skin corrosion/irritation         | : Not classified<br>pH: < 7 |
| Serious eye damage/irritation     | : Not classified<br>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            |

**Fatty acids dimers & derivatives**

|                      |                                  |
|----------------------|----------------------------------|
| Viscosity, kinematic | 8421,05263158 mm <sup>2</sup> /s |
|----------------------|----------------------------------|

**SECTION 12: Ecological information**

**12.1. Toxicity**

|                   |                                                     |
|-------------------|-----------------------------------------------------|
| Ecology - general | : According to literature: no environmental hazard. |
| Ecology - air     | : No supplementary information available.           |
| Ecology - water   | : No bioaccumulation data available                 |

**12.2. Persistence and degradability**

**Fatty acids dimers & derivatives**

|      |                                   |
|------|-----------------------------------|
| ThOD | 2,9 g O <sub>2</sub> /g substance |
|------|-----------------------------------|

**12.3. Bioaccumulative potential**

**Fatty acids dimers & derivatives**

|         |            |
|---------|------------|
| Log Pow | > 5 (est.) |
|---------|------------|

**12.4. Mobility in soil**

**Fatty acids dimers & derivatives**

|                 |                     |
|-----------------|---------------------|
| Surface tension | ca. 0,03 N/m (20°C) |
|-----------------|---------------------|

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

No additional information available

**12.6. 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 / RID / IMDG / IATA / ADN

| ADR                                     | IMDG           | IATA           | ADN            | RID            |
|-----------------------------------------|----------------|----------------|----------------|----------------|
| <b>14.1. UN number</b>                  |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.2. UN proper shipping name</b>    |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| 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 | Not applicable |
| Not applicable                          | 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>      |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available  |                |                |                |                |

#### 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. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Fatty acids dimers & derivatives is not on the REACH Candidate List

Fatty acids dimers & derivatives is not on the REACH Annex XIV List

VOC content : < 0,1 % (1999/13/EC; 2004/42/EC; 2010/75/EU)

##### 15.1.2. National regulations

Swiss ChemO (SR 813.11) : No supplementary information available

Chemical inventories : Compliant with AICS, DSL, ECST, ENCS, IECSC, KECL, NZIoC, PICCS, TSCA, EC inventories

##### Germany

Reference to AwSV : Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 3; ID No. 2363)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

#### 15.2. Chemical safety assessment

The chemical safety assessment has been carried out, an exposure scenario is not applicable (substance is not classified).

### SECTION 16: Other information

Training advice : No supplementary information available.

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SDS changed sections     | : 1 - Identification of the substance/mixture and of the company/undertaking;16 - Other information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| SDS Reason for revision  | : No supplementary information available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Chem. inventories legend | : AICS = Australian Inventory of Chemical Substances<br>DSL = Canadian Domestic Substances List<br>ECST = Existing Chemical Substances Inventory of Taiwan<br>ENCS = Japanese Existing and New Chemicals Substances List<br>IECSC = Inventory of Existing Chemicals Substances in China<br>KECL = Korean Existing Chemical List<br>NZIoC = New Zealand Inventory of Chemicals<br>PICCS = Philippine Inventory of Chemicals and Chemical Substances<br>TSCA = USA Toxic Substances Control Act<br>EC inventories = European Community inventories of chemicals (EINECS/ELINCS/NLP/REACH) |
| Other information        | : No supplementary information available.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

SDS 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*