

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

### 1.1. Product identifier

Product form : Mixture  
Trade name : RADIASURF 7141  
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 : all the ingredients of this product in the scope of Regulation 1272/2008/EC (CLP), if not exempted, have been notified to the C&L Inventory.

### 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  
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)  
+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.

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) 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 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                                    | Product identifier                                | %    | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|-----------------------------------------|---------------------------------------------------|------|-----------------------------------------------------------------|
| Glycerides, C16-18 mono- and di-        | CAS No.: 85251-77-0<br>REACH-no: 01-2119495562-30 | > 95 | Not classified                                                  |
| Fatty acids sodium salts<br>(Component) | -                                                 | < 5  | 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 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: Not easily combustible. In finely divided state: increased fire hazard.<br>INDIRECT 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. 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. |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### 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 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

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

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

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

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

|                              |                                                                                                                                      |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Information on mixed storage | : KEEP AWAY FROM: Acids. strong acids. bases. strong bases.                                                                          |
| Storage area                 | : Keep container in a well-ventilated place. Store at ambient temperature. Keep out of direct sunlight. Meet the legal requirements. |
| Special rules on packaging   | : Store in a closed container. Suitably labelled. Meet the legal requirements.                                                       |
| Packaging materials          | : 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. In case of dust production: protective goggles. Dust production: dust mask with filter type P2.

##### 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                                  | : Solid                                                       |
| Colour                                          | : White to slightly yellow.                                   |
| Appearance (room temperature)                   | : Solid in various shapes.                                    |
| Odour                                           | : Characteristic. Almost odourless.                           |
| Odour threshold                                 | : Not available                                               |
| Melting point                                   | : $\approx 55\text{ }^{\circ}\text{C}$                        |
| Freezing point                                  | : Not available                                               |
| Softening point                                 | : ca. $57\text{ }^{\circ}\text{C}$ (56-60)                    |
| Boiling point                                   | : $> 250\text{ }^{\circ}\text{C}$                             |
| HMIS Flammability                               | : Not available                                               |
| Explosive properties                            | : Predicted negative.                                         |
| Explosive limits                                | : Not applicable                                              |
| Lower explosion limit                           | : Not applicable                                              |
| Upper explosion limit                           | : Not applicable                                              |
| Flash point                                     | : $> 200\text{ }^{\circ}\text{C}$ (ASTM D92)                  |
| Auto-ignition temperature                       | : $> 300\text{ }^{\circ}\text{C}$                             |
| Decomposition temperature                       | : $>$ Flash point                                             |
| pH                                              | : 5 – 8                                                       |
| pH solution                                     | : Not available                                               |
| Viscosity, kinematic                            | : $\approx 22\text{ mm}^2/\text{s}$ ( $100^{\circ}\text{C}$ ) |
| Viscosity, dynamic                              | : $\approx 50\text{ cP}$ ( $65^{\circ}$ )                     |
| Solubility                                      | : Not available                                               |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                                               |
| Partition coefficient n-octanol/water (Log Pow) | : $> 5$ (estimated value)                                     |
| Vapour pressure                                 | : $< 0,01\text{ hPa}$ ( $20^{\circ}\text{C}$ )                |
| Vapour pressure at $50\text{ }^{\circ}\text{C}$ | : Not available                                               |
| Density                                         | : ca. 0.95                                                    |
| Relative density                                | : Not available                                               |
| Relative vapour density at $20^{\circ}\text{C}$ | : Not applicable                                              |
| Particle size                                   | : Not available                                               |
| Particle size distribution                      | : Not available                                               |
| Particle shape                                  | : Not available                                               |
| Particle aspect ratio                           | : Not available                                               |
| Particle aggregation state                      | : Not available                                               |
| Particle agglomeration state                    | : Not available                                               |
| Particle specific surface area                  | : Not available                                               |
| Particle dustiness                              | : Not available                                               |

#### Fatty acids sodium salts

|                           |                                        |
|---------------------------|----------------------------------------|
| Flash point               | No supplementary information available |
| Auto-ignition temperature | No supplementary information available |
| Vapour pressure           | No supplementary information available |

#### Glycerides, C16-18 mono- and di-

|             |                                        |
|-------------|----------------------------------------|
| Flash point | No supplementary information available |
|-------------|----------------------------------------|

## Glycerides, C16-18 mono- and di-

|                           |                                        |
|---------------------------|----------------------------------------|
| Auto-ignition temperature | No supplementary information available |
| Vapour pressure           | No supplementary information available |

## 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 | : 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 |

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

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|                      |                                 |
|----------------------|---------------------------------|
| Viscosity, kinematic | ≈ 22 mm <sup>2</sup> /s (100°C) |
|----------------------|---------------------------------|

#### 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

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

#### 12.4. Mobility in soil

No additional information 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                          | : Scoop solid spill into closing containers, Powdered: do not use compressed air for pumping over spills, Clean contaminated surfaces with a soap solution |
| 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) | : -              |
| <b>IATA</b>                       |                  |
| Transport hazard class(es) (IATA) | : Not applicable |
| <b>ADN</b>                        |                  |
| Transport hazard class(es) (ADN)  | : Not applicable |
| <b>RID</b>                        |                  |
| 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

Transport regulations (ADR) : Not subject

##### Transport by sea

Transport regulations (IMDG) : Not subject

##### Air transport

Transport regulations (IATA) : Not subject

##### Inland waterway transport

No data available

##### Rail transport

Transport regulations (RID) : Not subject

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

Not applicable

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

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

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

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

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

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

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

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

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

##### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

##### 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

|                          |                                                                                                           |
|--------------------------|-----------------------------------------------------------------------------------------------------------|
| Related CAS RN           | : 11099-07-3 + 68424-38-4                                                                                 |
| Chemical inventories     | : Compliant with EAEU, ECST, ENCS, EU REACH, IECSC, KECL, NDSL, NZIoC, PICCS, TSCA, VNCI                  |
| 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 all the ingredients of this product in the scope of K-REACH have been (pre-)registered.             |
| 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)  | : No supplementary information available                                                                  |

### Germany

|                                            |                                                                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------|
| Water hazard class (WGK)                   | : WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1). |
| 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              | : None of the components are listed                                                                   |
| SZW-lijst van mutagene stoffen                       | : None of the components are listed                                                                   |
| SZW-lijst van reprotoxische stoffen – Borstvoeding   | : None of the components are listed                                                                   |
| SZW-lijst van reprotoxische stoffen – Vruchtbaarheid | : None of the components are listed                                                                   |
| SZW-lijst van reprotoxische stoffen – Ontwikkeling   | : None of the components are listed                                                                   |

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Training advice          | : No supplementary information available.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Chem. inventories legend | : 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>KECL = Korean Existing Chemical List<br>NDSL = Canadian Non Domestic Substances List<br>NZIoC = New Zealand Inventory of Chemicals<br>PICCS = Philippine Inventory of Chemicals and Chemical Substances<br>TSCA (Active) = USA Toxic Substances Control Act<br>VNCI = Vietnam National Chemicals Inventory |
| 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.