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

### 1.1 Product identifier

**SWAG 30 94 9700- Gear oil DCTF-2**
**Article number: 30 94 9700, 33 11 1643**

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

#### 1.2.1 Relevant uses

Gearbox oil

#### 1.2.2 Uses advised against

None known.

### 1.3 Details of the supplier of the safety data sheet

**Company**

SWAG Autoteile GmbH
Am Kiesberg 4-6
42117 Wuppertal / GERMANY
Phone +49 (0)202 26454-0
Fax +49 (0)202 26454-5000
Homepage www.swag.de
E-mail info@swag.de

**Address enquiries to**

**Technical information** info@swag.de

**Safety Data Sheet** info@swag.de

### 1.4 Emergency telephone number

**Advisory body**

Call NHS 111 or a doctor
+49 (0)89-19240 (24h) (English)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture [REGULATION (GB) CLP]

No classification.

### 2.2 Label elements

The product is required to be labelled in accordance with regulation CLP.

**Hazard pictograms** none

**Signal word** none

**Hazard statements** none

**Precautionary statements** none

**Special labelling** EUH210 Safety data sheet available on request.

Contains: Maleic anhydride, 1,1'-[iminobis(ethyleneiminoethylene)]bis[3-(octadecenyl)pyrrolidine-2,5-dione]. EUH208 May produce an allergic reaction.

### 2.3 Other hazards

**Human health dangers** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**Environmental hazards** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**Other hazards** Further hazards were not determined with the current level of knowledge.

## SECTION 3: Composition / Information on ingredients

### 3.1 Substances

**not applicable**

### 3.2 Mixtures

**The product is a mixture.**

| Range [%] | Substance |
|---|---|
| 50 - < 90 | 1-Decene, homopolymer, hydrogenated |
| | CAS: 68037-01-4, EINECS/ELINCS: 500-183-1, Reg-No.: 01-2119486452-34-XXXX |
| | GHS/CLP: Asp. Tox. 1: H304 |
| 10 - < 20 | 1-Decene, Dimer, hydrogenated |
| | CAS: 68649-11-6, EINECS/ELINCS: 500-228-5, Reg-No.: 01-2119493069-28-XXXX |
| | GHS/CLP: Acute Tox. 4: H332 - Asp. Tox. 1: H304 |
| 1 - < 10 | Distillates (petroleum), hydrotreated light paraffinic |
| | CAS: 64742-55-8, EINECS/ELINCS: 265-158-7, EU-INDEX: 649-468-00-3, Reg-No.: 01-2119487077-29-XXXX |
| | GHS/CLP: Asp. Tox. 1: H304 |
| 1 - < 5 | Isooctadecanoic acid, reaction products with tetraethylenepentamine |
| | CAS: -, EINECS/ELINCS: 701-204-9, Reg-No.: 01-2119960832-33-XXXX |
| | GHS/CLP: Skin Irrit. 2: H315 - Eye Irrit. 2: H319 |
| 0,1 - < 1 | 1,1'-[iminobis(ethyleneiminoethylene)]bis[3-(octadecenyl)pyrrolidine-2,5-dione] |
| | CAS: 64051-50-9, EINECS/ELINCS: 264-637-8 |
| | GHS/CLP: Skin Sens. 1B: H317 - Aquatic Chronic 3: H412 |
| 0,0001 - < 0,001 | Maleic anhydride |
| | CAS: 108-31-6, EINECS/ELINCS: 203-571-6, EU-INDEX: 607-096-00-9, Reg-No.: 01-2119472428-31-XXXX |
| | GHS/CLP: Acute Tox. 4: H302 - Skin Corr. 1B: H314 - Eye Dam. 1: H318 - Skin Sens. 1A: H317 - Resp. Sens. 1: H334 - STOT RE 1: H372 - EUH071 |
| | SCL [%]: >=0,001: Skin Sens. 1: H317 |

**Comment on component parts** For full text of H-statements: see SECTION 16.
Contains less than 3% w/w DMSO-extract (only for mineral oils)

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General information** Take off contaminated clothing and wash before reuse.

**Inhalation** Ensure supply of fresh air.
In the event of symptoms seek medical treatment.

**Skin contact** When in contact with the skin, clean with soap and water.
Consult a doctor if skin irritation persists.

**Eye contact** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

**Ingestion** Seek medical advice immediately.
Do not induce vomiting.

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

Irritant effects

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
If swallowed or in the event of vomiting, risk of product entering the lungs.
Forward this sheet to your doctor.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media** Foam, dry powder, water spray jet, carbon dioxide.

**Extinguishing media that must not be used** Full water jet.

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

Risk of formation of toxic pyrolysis products.

### 5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.
Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Some risk of slipping due to spillage of product.
Forms slippery surfaces with water.

### 6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).
Do not discharge into the drains/surface waters/groundwater.

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

Take up with absorbent material (e.g. oil binder).
Dispose of absorbed material in accordance within the regulations.

### 6.4 Reference to other sections

See SECTION 8+13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid formation of aerosols.
Use only in well-ventilated areas.

The product is combustible.

Do not eat, drink or smoke when using this product.
After worktime and before work breaks the affected skin areas must be thoroughly cleaned.
Use barrier skin cream.
Cloths contaminated with product should not be kept in trouser pockets.
Contaminated work clothing should not be allowed out of the workplace.
Take off contaminated clothing and wash before reuse.

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

Keep only in original container.
Prevent penetration into the ground.

Do not store together with food and animal food/diet.

Keep container in a well-ventilated place.
Keep container tightly closed.

### 7.3 Specific end use(s)

See product use, SECTION 1.2

## SECTION 8: Exposure controls / personal protection

### 8.1 Control parameters

**Ingredients with occupational exposure limits to be monitored (UK)**

| Substance |
|---|
| 1-Decene, homopolymer, hydrogenated |
| CAS: 68037-01-4, EINECS/ELINCS: 500-183-1, Reg-No.: 01-2119486452-34-XXXX |
| Long-term exposure: 5 mg/m³, OSHA PEL |
| Distillates (petroleum), hydrotreated light paraffinic |
| CAS: 64742-55-8, EINECS/ELINCS: 265-158-7, EU-INDEX: 649-468-00-3, Reg-No.: 01-2119487077-29-XXXX |
| Long-term exposure: 5 mg/m³, ACGIH TLV (OIL MIST) |
| Maleic anhydride |
| CAS: 108-31-6, EINECS/ELINCS: 203-571-6, EU-INDEX: 607-096-00-9, Reg-No.: 01-2119472428-31-XXXX |
| Long-term exposure: 1 mg/m³, Sen |
| Short-term exposure (15-minute): 3 mg/m³ |

**Ingredients with occupational exposure limits to be monitored EU (2004/37/EG)**

not relevant

**DNEL**

| Substance |
|---|
| 1-Decene, homopolymer, hydrogenated, CAS: 68037-01-4 |
| There are no DNEL values established for the substance. |
| 1-Decene, Dimer, hydrogenated, CAS: 68649-11-6 |
| There are no DNEL values established for the substance. |
| Maleic anhydride, CAS: 108-31-6 |
| Industrial, inhalative, Long-term - systemic effects, 81 µg/m³ |
| Industrial, inhalative, Acute - systemic effects, 200 µg/m³ |
| Industrial, inhalative, Long-term - local effects, 81 µg/m³ |
| Industrial, inhalative, Acute - local effects, 200 µg/m³ |
| Industrial, dermal, Long-term - systemic effects, 200 µg/kg bw/day |
| Industrial, dermal, Acute - systemic effects, 200 µg/kg bw/day |
| general population, inhalative, Long-term - systemic effects, 50 µg/m³ |
| general population, inhalative, Long-term - local effects, 80 µg/m³ |
| general population, dermal, Long-term - systemic effects, 100 µg/kg bw/day |
| general population, dermal, Acute - systemic effects, 100 µg/kg bw/day |
| general population, oral, Long-term - systemic effects, 60 µg/kg bw/day |
| general population, oral, Acute - systemic effects, 100 µg/kg bw/day |
| Isooctadecanoic acid, reaction products with tetraethylenepentamine, CAS: - |
| There are no DNEL values established for the substance. |
| Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8 |
| Industrial, inhalative, Long-term - systemic effects, 2,73 mg/m³ |
| Industrial, inhalative, Long-term - local effects, 5,58 mg/m³ |
| Industrial, dermal, Long-term - systemic effects, 0,97 mg/kg |
| general population, oral, Long-term - systemic effects, 0,74 mg/kg |

**PNEC**

| Substance |
|---|
| 1-Decene, homopolymer, hydrogenated, CAS: 68037-01-4 |
| There are no PNEC values established for the substance. |
| 1-Decene, Dimer, hydrogenated, CAS: 68649-11-6 |
| freshwater, 0,006 mg/L |
| seawater, 0,006 mg/L |
| sediment (freshwater), 0,848mg/kg sediment dw |
| sediment (seawater), 0,848mg/kg sediment dw |

| |
|---|
| Maleic anhydride, CAS: 108-31-6 |
| freshwater, 0,038 mg/L |
| seawater, 0,004 mg/L |
| sewage treatment plants (STP), 44,6 mg/L |
| sediment (freshwater), 0,296 mg/kg sediment dw |
| sediment (seawater), 0,03 mg/kg sediment dw |
| soil, 0,037 mg/kg soil dw |
| Isooctadecanoic acid, reaction products with tetraethylenepentamine, CAS: - |
| freshwater, 460 µg/L |
| seawater, 46 µg/L |
| sediment (freshwater), 38100 mg/kg sediment dw |
| sewage treatment plants (STP), 1 g/l |
| sediment (seawater), 3810 mg/kg sediment dw |
| soil, 10 mg/kg soil dw |
| oral (food), 33.3 mg/kg food |
| Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8 |
| oral (food), 9,33 mg/kg |

## 8.2 Exposure controls

**Additional advice on system design**
Ensure adequate ventilation on workstation.
Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
General exposure limit for oil mist should be noted.

**Eye protection**
Safety glasses. (EN 166:2001)

**Hand protection**
The details concerned are recommendations. Please contact the glove supplier for further information.
Nitrile butyl rubber (NBR) > 0,38mm:, (EN 374-1/-2/-3).

**Skin protection**
light protective clothing

**Other**
Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.
Do not inhale gases/vapours/aerosols.
Avoid contact with eyes and skin.

**Respiratory protection**
Breathing apparatus in the event of aerosol or mist formation.
Short term: filter apparatus, combination filter A-P2. (DIN EN 14387)

**Thermal hazards**
No information available.

**Delimitation and monitoring of the environmental exposition**
Comply with applicable environmental regulations limiting discharge to air, water and soil.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

| | |
|---|---|
| **Physical state** | liquid |
| **Form** | liquid |
| **Color** | light yellow |
| **Odor** | characteristic |
| **Odour threshold** | No information available. |
| **pH-value** | not applicable |
| **pH-value [1%]** | not applicable |
| **Boiling point or initial boiling point and boiling range [°C]** | not applicable |
| **Flash point [°C]** | 205 |
| **Flammability** | Not highly flammable. |
| **Lower explosion limit** | not applicable |
| **Upper explosion limit** | not applicable |
| **Oxidising properties** | no |
| **Vapour pressure/gas pressure [kPa]** | not determined |
| **Density [g/cm³]** | 0,83 (15 °C / 59,0 °F) |
| **Relative density** | not determined |
| **Bulk density [kg/m³]** | not applicable |
| **Solubility in water** | virtually insoluble |
| **Solubility other solvents** | No information available. |
| **Partition coefficient n-octanol/water (log value)** | No information available. |
| **Kinematic viscosity** | 23,5 mm²/s 40°C |
| **Relative vapour density** | No information available. |
| **Melting point [°C]** | No information available. |
| **Auto-ignition temperature [°C]** | not applicable |
| **Decomposition temperature [°C]** | No information available. |
| **Particle characteristics** | not applicable |

### 9.2 Other information

none

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reactions known if used as directed.

### 10.2 Chemical stability

The product is stable under standard conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reactions known.

### 10.4 Conditions to avoid

No special measures necessary.

### 10.5 Incompatible materials

Strong oxidizing agent.
Strong acids.

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

**Acute oral toxicity**

| Product |
|---|
| ATE-mix, oral, > 5000 mg/kg bw |

| Substance |
|---|
| 1-Decene, homopolymer, hydrogenated, CAS: 68037-01-4 |
| LD50, oral, Rat, > 5000 mg/kg bw |
| NOAEL, oral, Rat, 1000 - 6771 mg/kg bw/day |
| 1-Decene, Dimer, hydrogenated, CAS: 68649-11-6 |
| LD50, oral, Rat, > 5000 mg/kg bw |
| Maleic anhydride, CAS: 108-31-6 |
| LD50, oral, Rat, 1090 mg/kg bw |
| NOAEL, oral, Rat, 10 - 250 mg/kg bw/day |
| 1,1'-[iminobis(ethyleneiminoethylene)]bis[3-(octadecenyl)pyrrolidine-2,5-dione], CAS: 64051-50-9 |
| LD50, oral, Rat, 2000 mL/kg bw |
| NOAEL, oral, Rat, 1000 mg/kg bw |
| Isooctadecanoic acid, reaction products with tetraethylenepentamine, CAS: - |
| LD50, oral, Rat, > 5000 mg/kg bw |
| Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8 |
| no adverse effect observed (by analogy with similar substances), (CAS 64742-56-9), |
| LC50, oral, Rat, > 5000 mg/kg, OECD 401 |

**Acute dermal toxicity**

| Product |
|---|
| dermal, Based on the available information, the classification criteria are not fulfilled. |

| Substance |
|---|
| 1-Decene, homopolymer, hydrogenated, CAS: 68037-01-4 |
| LD50, dermal, Rat, >2000 mg/kg bw, OECD 402 |
| 1-Decene, Dimer, hydrogenated, CAS: 68649-11-6 |
| LD50, dermal, Rabbit, > 3000 mg/kg bw |
| Maleic anhydride, CAS: 108-31-6 |
| LD50, dermal, Rabbit, 2620 mg/kg bw |
| 1,1'-[iminobis(ethyleneiminoethylene)]bis[3-(octadecenyl)pyrrolidine-2,5-dione], CAS: 64051-50-9 |
| LD50, dermal, Rat, 2000 mg/kg bw |
| Isooctadecanoic acid, reaction products with tetraethylenepentamine, CAS: - |
| LD50, dermal, Rabbit, > 2000 mg/kg bw |
| Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8 |
| no adverse effect observed (by analogy with similar substances), (CAS 64742-56-9), |
| LD50, dermal, Rabbit, > 5000 mg/kg, OECD 402 |

**Acute inhalational toxicity**

| Product |
|---|
| inhalative, Based on the available information, the classification criteria are not fulfilled. |

| Substance |
|---|
| 1-Decene, homopolymer, hydrogenated, CAS: 68037-01-4 |
| LC50, inhalative, Rat, >5.2 mg/L air, OECD 403, no adverse effect observed |
| 1-Decene, Dimer, hydrogenated, CAS: 68649-11-6 |
| LC50, inhalative, Rat, > 1,81 mg/L air, 4h |
| Maleic anhydride, CAS: 108-31-6 |

| |
|---|
| NOAEC, inhalative, Rat, 3.3 mg/m³ air |
| Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8 |
| LC50, inhalativ (mist), Rat, > 5,53 mg/l, OECD 403, 4h |

**Serious eye damage/irritation** Based on the available information, the classification criteria are not fulfilled.

| Substance |
|---|
| 1-Decene, homopolymer, hydrogenated, CAS: 68037-01-4 |
| Eye, non-irritating |
| 1-Decene, Dimer, hydrogenated, CAS: 68649-11-6 |
| Eye, no adverse effect observed |
| Maleic anhydride, CAS: 108-31-6 |
| Eye, Rabbit, OECD 405, Can cause irreversible damage to the eyes. |
| Isooctadecanoic acid, reaction products with tetraethylenepentamine, CAS: - |
| Eye, irritant |
| Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8 |
| Rabbit (eye), OECD 405, non-irritating |

**Skin corrosion/irritation** Based on the available information, the classification criteria are not fulfilled.

| Substance |
|---|
| 1-Decene, homopolymer, hydrogenated, CAS: 68037-01-4 |
| dermal, non-irritating |
| 1-Decene, Dimer, hydrogenated, CAS: 68649-11-6 |
| dermal, no adverse effect observed |
| Maleic anhydride, CAS: 108-31-6 |
| dermal, Rabbit, OECD 404, corrosive |
| Isooctadecanoic acid, reaction products with tetraethylenepentamine, CAS: - |
| dermal, irritant |
| Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8 |
| Rabbit, in vivo, non-irritating |

**Respiratory or skin sensitisation** Based on the available information, the classification criteria are not fulfilled.

| Substance |
|---|
| 1-Decene, homopolymer, hydrogenated, CAS: 68037-01-4 |
| dermal, non-sensitizing |
| 1-Decene, Dimer, hydrogenated, CAS: 68649-11-6 |
| dermal, Guinea pig, OECD 406, non-sensitizing |
| Maleic anhydride, CAS: 108-31-6 |
| dermal, mouse, OECD 429, sensitising |
| inhalative, Rat, In vivo study, sensitising |
| Isooctadecanoic acid, reaction products with tetraethylenepentamine, CAS: - |
| dermal, non-sensitizing |
| Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8 |
| dermal, Guinea pig, OECD 406, non-sensitizing |

**Specific target organ toxicity — single exposure** Does not contain a relevant substance that meets the classification criteria.
Based on the available information, the classification criteria are not fulfilled.

**Specific target organ toxicity — repeated exposure** Based on the available information, the classification criteria are not fulfilled.

| Substance |
|---|
| 1-Decene, Dimer, hydrogenated, CAS: 68649-11-6 |
| NOAEL, oral, Rat, 1000 - 6771 mg/kg bw/day |
| Maleic anhydride, CAS: 108-31-6 |
| NOAEL, oral, Dog, 60 mg/kg bw/day, OECD 409, no adverse effect observed |
| NOAEC, inhalative, Rat, 3,3 mg/m³, In vivo study, adverse effect observed |

| |
|---|
| Isooctadecanoic acid, reaction products with tetraethylenepentamine, CAS: - |
| NOAEL, oral, Rat, 1000 mg/kg bw/day |
| Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8 |
| no adverse effect observed (by analogy with similar substances), (CAS 64742-04-7), |
| NOAEL, dermal, Rat, >= 2000 mg/kg, OECD 411 |
| NOAEL, inhalative, Rat, > 980 mg/m³, OECD 412 |
| LOAEL, oral, Rat, 125 mg/kg, OECD 408 |

**Mutagenicity**

Does not contain a relevant substance that meets the classification criteria.
Based on the available information, the classification criteria are not fulfilled.

| Substance |
|---|
| 1-Decene, homopolymer, hydrogenated, CAS: 68037-01-4 |
| in vitro, negativ |
| in vivo, negativ |
| 1-Decene, Dimer, hydrogenated, CAS: 68649-11-6 |
| in vivo, no adverse effect observed |
| Maleic anhydride, CAS: 108-31-6 |
| in vitro, OECD 471, negativ |
| Isooctadecanoic acid, reaction products with tetraethylenepentamine, CAS: - |
| in vitro, negativ |
| Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8 |
| in vitro, OECD 471, negativ |
| in vivo, OECD 474, negativ |

**Reproduction toxicity**

Does not contain a relevant substance that meets the classification criteria.
Based on the available information, the classification criteria are not fulfilled.

**- Fertility**

| Substance |
|---|
| 1-Decene, homopolymer, hydrogenated, CAS: 68037-01-4 |
| NOAEL, oral, Rat, 1000 mg/kg bw/day, no adverse effect observed |
| 1-Decene, Dimer, hydrogenated, CAS: 68649-11-6 |
| NOAEL, oral, Rat, 1000 mg/kg bw/day |
| Maleic anhydride, CAS: 108-31-6 |
| NOAEL, oral, Rat, 55 mg/kg bw/day, OECD 416, no adverse effect observed |
| Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8 |
| NOAEL, Rat, (P, F1) : >= 1000 mg/kg, OECD 421 |

**- Development**

| Substance |
|---|
| 1-Decene, homopolymer, hydrogenated, CAS: 68037-01-4 |
| NOAEL, oral, Rat, 1000 mg/kg bw/day, no adverse effect observed |
| 1-Decene, Dimer, hydrogenated, CAS: 68649-11-6 |
| NOAEL, oral, Rat, 1000 mg/kg bw/day |
| Maleic anhydride, CAS: 108-31-6 |
| NOAEL, oral, Rat, 140 mg/kg bw/day, OECD 414, no adverse effect observed |
| Isooctadecanoic acid, reaction products with tetraethylenepentamine, CAS: - |
| NOAEL, oral, Rat, >= 1000 mg/kg bw/day |
| Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8 |
| NOAEL, Rat, 2000 mg/kg, OECD 414 |
| LOAEL, Rat, 125 mg/kg, OECD 414 |

**Carcinogenicity**

Does not contain a relevant substance that meets the classification criteria.
Based on the available information, the classification criteria are not fulfilled.

| Substance |
|---|

| |
|---|
| Maleic anhydride, CAS: 108-31-6 |
| NOAEL, oral, Rat, 100 mg/kg bw/day, OECD 451, no adverse effect observed |

**Aspiration hazard** Based on the available information, the classification criteria are not fulfilled.

**General remarks**

Toxicological data of complete product are not available.
The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

### 11.2 Information on other hazards

**11.2.1 Endocrine disrupting properties** Contains no ingredients with endocrine-disrupting properties.

**11.2.2 Other information** none

## SECTION 12: Ecological information

### 12.1 Toxicity

| |
|---|
| Product |

| |
|---|
| Based on the available information, the classification criteria are not fulfilled. |

| |
|---|
| Substance |
| 1-Decene, homopolymer, hydrogenated, CAS: 68037-01-4 |
| EL50, (48h), Invertebrates, >1000mg/L |
| NOELR, (21d), Invertebrates, 125mg/L |
| NOELR, (72h), Algae, 1000 mg/L |
| LL50, (96h), Fish, >1000mg/L |
| 1-Decene, Dimer, hydrogenated, CAS: 68649-11-6 |
| LL50, (96h), Fish, > 1000 mg/L |
| Maleic anhydride, CAS: 108-31-6 |
| LC50, (96h), Fish, 75 mg/L |
| EC50, (48h), Invertebrates, 42,81 - 330 mg/L |
| EC50, (72h), Algae, 74.35 - 150 mg/L |
| 1,1'-[iminobis(ethyleneiminoethylene)]bis[3-(octadecenyl)pyrrolidine-2,5-dione], CAS: 64051-50-9 |
| EC50, (48h), Fish, 73.4 mg/L |
| EC50, (72h), Algae, 48.9 - 100 mg/L |
| NOEC, (72h), Algae, 32 - 100 mg/L |
| NOEC, (48h), Fish, 46 mg/L |
| Isooctadecanoic acid, reaction products with tetraethylenepentamine, CAS: - |
| LC50, (96h), Fish, 1 g/L |
| EC50, (48h), Invertebrates, 1 g/L |
| EC50, (96h), Algae, 44 - 94 mg/L |
| NOEC, (21d), Invertebrates, 32 mg/L |
| Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8 |
| LC50, (96h), Pimephales promelas, > 100 mg/l, OECD 203 |
| EL50, (48h), Daphnia magna, > 10 000 mg/l, OECD 202 |
| NOELR, (14d), Oncorhynchus mykiss, >= 1000 mg/l |
| NOEL, (72h), Pseudokirchneriella subcapitata, >= 100 mg/l, OECD 201 |
| NOEL, (21d), Daphnia magna, 10 mg/l, OECD 211 |
| NOEL, (72h), Pseudokirchneriella subcapitata, >= 100 mg/l, OECD 201 |

## 12.2 Persistence and degradability

Does not contain a relevant substance that meets the classification criteria.

**Behaviour in environment compartments** not determined

**Behaviour in sewage plant** not determined

**Biological degradability** not determined

| Substance |
|---|
| 1-Decene, homopolymer, hydrogenated, CAS: 68037-01-4 |
| EC50, (16h), Microorganisms, 10 g/L |
| EL50, (48h), Invertebrates, 1 g/L |
| EL50, (48h), Algae, 1 g/L |
| LL50, (96h), Fish, 1 g/L |
| Maleic anhydride, CAS: 108-31-6 |
| (28d), > 90 %, OECD 301 B, The product is readily biodegradable. |
| Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8 |
| (28d), 2 - 4 %, OECD 301 B |
| (28d), 31,13 %, OECD 301 F |
| The product is not readily biodegradable. |

## 12.3 Bioaccumulative potential

No information available.

| Substance |
|---|
| Maleic anhydride, CAS: 108-31-6 |
| log Pow, -2,61 |

## 12.4 Mobility in soil

No information available.

## 12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

## 12.6 Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

## 12.7 Other adverse effects

Ecological data of complete product are not available.
Do not discharge product unmonitored into the environment or into the drainage.
The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

**Product**

Disposal in an incineration plant in accordance with the regulations of the local authorities.
In according to RoHS!

**Waste no. (recommended)** 130206*

**Contaminated packaging**

Uncontaminated packaging may be taken for recycling.
Packaging that cannot be cleaned should be disposed of as for product.

**Waste no. (recommended)** 150110* packaging containing residues of or contaminated by hazardous substances
150102
150104

## SECTION 14: Transport information

### 14.1 UN number or ID number

**Transport by land according to ADR/RID** not applicable

**Inland navigation (ADN)** not applicable

**Marine transport in accordance with IMDG** not applicable

**Air transport in accordance with IATA** not applicable

### 14.2 UN proper shipping name

**Transport by land according to ADR/RID** NO DANGEROUS GOODS

**Inland navigation (ADN)** NO DANGEROUS GOODS

**Marine transport in accordance with IMDG** NOT CLASSIFIED AS "DANGEROUS GOODS"

**Air transport in accordance with IATA** NOT CLASSIFIED AS "DANGEROUS GOODS"

### 14.3 Transport hazard class(es)

**Transport by land according to ADR/RID** not applicable

**Inland navigation (ADN)** not applicable

**Marine transport in accordance with IMDG** not applicable

**Air transport in accordance with IATA** not applicable

### 14.4 Packing group

| | |
|---|---|
| **Transport by land according to ADR/RID** | not applicable |
| **Inland navigation (ADN)** | not applicable |
| **Marine transport in accordance with IMDG** | not applicable |
| **Air transport in accordance with IATA** | not applicable |

### 14.5 Environmental hazards

| | |
|---|---|
| **Transport by land according to ADR/RID** | no |
| **Inland navigation (ADN)** | no |
| **Marine transport in accordance with IMDG** | no |
| **Air transport in accordance with IATA** | no |

### 14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

### 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

| | |
|---|---|
| **EEC-REGULATIONS** | 2008/98/EG (2000/532/EC ); 2010/75/EU; 2004/42/EG; (EG) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EWG ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014; (EU) 2019/1148; (EU) 2019/1021, (EU) 2023/707 |
| **- Comment on component parts** | Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%. |
| **- Annex XIV (REACH)** | According to Annex XIV of Regulation (EC) 1907/2006 (REACH) the product does not contain any substances ≥ 0.1% that are subject to authorisation. |
| **- Annex XVII (REACH)** | According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product contains ≥ 0.1% of substances with the following restrictions. 75 |
| | According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product is not subject to any restrictions. |
| **TRANSPORT-REGULATIONS** | ADR (2025); IMDG-Code (2025, 42. Amdt.); IATA-DGR (2025) |
| **NATIONAL REGULATIONS (UK):** | EH40/2005 Workplace exposure limits (Second edition, published December 2011); UK REACH; GB CLP. |
| **- Observe employment restrictions for people** | no |
| **- VOC (2010/75/CE)** | <1 % |

### 15.2 Chemical safety assessment

For this product a chemical safety assessment has not been carried out.

## SECTION 16: Other information

### 16.1 Hazard statements (SECTION 3)

H319 Causes serious eye irritation.
H315 Causes skin irritation.

H332 Harmful if inhaled.
EUH071 Corrosive to the respiratory tract.
H372 Causes damage to organs through prolonged or repeated exposure.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H318 Causes serious eye damage.
H314 Causes severe skin burns and eye damage.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H412 Harmful to aquatic life with long lasting effects.
H317 May cause an allergic skin reaction.

### 16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ATE = acute toxicity estimate
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
EL50 = Median effective loading
ELINCS = European List of Notified Chemical Substances
EmS = Emergency Schedules
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform ChemicaL Information Database
IVIS = In vitro irritation score
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
LC0 = lethal concentration, 0%
LOAEL = lowest-observed-adverse-effect level
LL50 = Median lethal loading
LQ = Limited Quantities
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Concentration
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
STP = Sewage Treatment Plant
TLV®/TWA = Threshold limit value – time-weighted average
TLV®STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

### 16.3 Other information

**Classification procedure**

**Modified position** 1.3, 2.3, 3.2, 8.1, 9.1, 11.1, 15.1, 16.2, 16.3