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

1.1. Product identifier

Product form: Mixture
Trade name: Eni Blasia S 150
Product code: 2770
Type of product: Lubricants
Formula: 1204-2018
Product group: Trade product

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, Professional use
Industrial/Professional use spec: Wide dispersive use
Use of the substance/mixture: Gearbox lubricant

Do not use the product for any purposes that have not been advised by the manufacturer.

Function or use category: Lubricants and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

ENI S.p.A.
P.le E. Mattei 1 - 00144 Rome Italy
Phone: (+39) 06 59821
www.eni.com

Contact:
Refining & Marketing
Via Laurentina 449 - 00142 Rome Italy
Phone: (+39) 06 59881 - Fax (+39) 06 59885700

Competent person responsible for the Safety Data Sheet (Reg. EC nr. 1907/2006): SDSInfo@eni.com

1.4. Emergency telephone number

Emergency number: CNIT +39 0382 24444 (24h) (IT + EN)

Poison centre (UK):
National Poisons Information Service Edinburgh (24h)
(+44) 844 892 0111
0870 600 6266 (UK only)
(Source: UN-WHO)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [EU-GHS / CLP]

Aquatic Chronic 3 H412
Adverse physicochemical, human health and environmental effects

Prolonged and repeated skin contact may cause reddening, irritation and dermatitis. May cause an allergic skin reaction. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. For specific information about the toxicological/ecotoxicological properties and classification of this product, see Sect. 11 and/or Sect. 12.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

<table>
<thead>
<tr>
<th>CLP Signal word</th>
<th>Hazard statements (CLP)</th>
<th>Precautionary statements (CLP)</th>
<th>EUH-statements</th>
<th>Security closing plug for children</th>
<th>Tactile warning</th>
<th>Other: General advice</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>H412 - Harmful to aquatic life with long lasting effects.</td>
<td>P273 - Avoid release to the environment.</td>
<td>EUH208 - Contains Succinic anhydride, alkylation products with C12-rich branched olefins from propene oligomerisation, hydrolyzed, esterification products with propylene oxide. May produce an allergic reaction.</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>(Not applicable - Classified as dangerous according to (EC) No 1272/2008)</td>
</tr>
</tbody>
</table>

2.3. Other hazards (not relevant for classification)

Physical/chemical: None under normal conditions

Health: If the product is handled or used at high temperature, contact with hot product or vapours may cause burns. Any substance, in case of accidents involving pressurized circuits and the like, may be accidentally injected under the skin, even without external damage. In such a case, the victim should be brought to an hospital as soon as possible, to get specialized medical treatment, Do not wait for symptoms to develop.

Environment: None

Contaminants: None

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Composition/information on ingredients: Synthetic base stock (polyglycol)

Additives

Hazardous ingredients and/or with relevant occupational exposure limits: See table
## Name

<table>
<thead>
<tr>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [EU-GHS / CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (Additive) (CAS-No.) 125643-61-0 (EC-No.) 406-040-9 (EC Index-No.) 607-530-00-7 (REACH-no) 01-0000015551-76</td>
<td>2 - 3</td>
<td>Aquatic Chronic 4, H413</td>
</tr>
<tr>
<td>Phenol, isopropylated, phosphate (3:1) (Additive) (CAS-No.) 68937-41-7 (EC-No.) 273-066-3 (EC Index-No.) N/A (REACH-no) 01-2119535109-41</td>
<td>0,5 - 1</td>
<td>Repr. 2, H361fd STOT RE 2, H373 Aquatic Chronic 1, H410</td>
</tr>
<tr>
<td>Succinic anhydride, alkylation products with C12-rich branched olefins from propene oligomerisation, hydrolyzed, esterification products with propylene oxide (Additive) (EC-No.) 943-535-3 (EC Index-No.) N/A (REACH-no) 01-2120120363-71</td>
<td>0,1 - 0,3</td>
<td>Eye Irrit. 2, H319 Skin Sens. 1B, H317</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation: In case of disturbances owing to inhalation of vapours or mists, remove the victim from exposure; keep at rest; if necessary, seek medical attention.

First-aid measures after skin contact: Take off contaminated clothing and shoes. Wash thoroughly with soap and water. If inflammation or irritation persists, seek medical advice.

First-aid measures after eye contact: Rinse eyes thoroughly for at least 15 minutes. Keep eyelids well apart. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, seek medical advice.

First-aid measures after ingestion: Get medical advice/attention. Give nothing to drink.

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

Symptoms/effects after inhalation: None under normal conditions at ambient temperatures.

Symptoms/effects after skin contact: Prolonged and repeated skin contact may cause reddening, irritation and dermatitis. May cause sensitization by skin contact. Contact with hot product may cause thermal burns.

Symptoms/effects after eye contact: Contact with eyes may cause temporary reddening and irritation. Contact with hot product or vapours may cause burns.

Symptoms/effects after ingestion: Accidental ingestion of small quantities of the product may cause irritation, nausea and gastric disturbances. Taking into account the taste of the product, however, ingestion of dangerous quantities is very unlikely.

Symptoms/effects upon intravenous administration: No information available.

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

Treat symptomatically. Obtain medical attention if casualty has an altered state of consciousness or if symptoms do not resolve.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<table>
<thead>
<tr>
<th>Suitable extinguishing media</th>
<th>Unsuitable extinguishing media</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon dioxide. Dry powder. Foaming agents. Water spray.</td>
<td>Do not use water jets. They could cause splattering, and spread the fire. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.</td>
</tr>
</tbody>
</table>

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

Fire hazard: Not flammable.

Explosion hazard: None.
Combustion products: Incomplete combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates, gases, including carbon monoxide, NOx (harmful/toxic gases), Oxygenated compounds (aldehydes, etc.), POx.

### 5.3. Advice for firefighters

**Firefighting instructions:** Shut off source of product, if possible. Spilled product which is not burning should be covered with sand or foam. If possible, move containers and drums away from danger area. Use water sprays to cool containers and surfaces exposed to the flames. If the fire cannot be controlled, evacuate area.

**Special protective equipment for firefighters:** Personal protection equipment for firefighters (see also sect. 8). EN 443. EN 469. EN 659. In case of a large fire or in confined or poorly ventilated spaces, wear full fire resistant protective clothing and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**Other information:** In case of fire, do not discharge residual product, waste materials and runoff water: collect separately and use a proper treatment.

### SECTION 6: Accidental release measures

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

**General measures:** Stop or contain leak at the source, if safe to do so. Eliminate all ignition sources if safe to do so (e.g. electricity, sparks, fires, flares). Avoid accidental sprays on hot surfaces or electrical contacts. Avoid direct contact with released material. Keep upwind.

**6.1.1. For non-emergency personnel**

**Protective equipment:** See Section 8.

**Emergency procedures:** Keep non-involved personnel away from the area of spillage. Alert emergency personnel. Except in case of small spillages, the feasibility of any actions should always be assessed and advised, if possible, by a trained, competent person in charge of managing the emergency.

**6.1.2. For emergency responders**

**Protective equipment:** Standard EN 469 - Protective clothing for firefighters. Standard - EN 659: Protective gloves for firefighters. A half or full-face respirator with combined dust/organic vapour filter(s), or a Self-Contained Breathing Apparatus (SCBA) can be used according to the extent of spill and predictable amount of exposure. Do not attempt to take action without suitable protective equipment.

**Emergency procedures:** Notify local authorities according to relevant regulations.

#### 6.2. Environmental precautions

Prevent product from entering sewers, rivers or other bodies of water. In case of contamination of environment compartments (soil, subsoil, surface or underground waters), remove contaminated soil when possible, and in any case treat all involved compartments in accordance with local regulations. The site should have a spill plan to ensure that adequate safeguards are in place to minimize the impact of episodic releases.

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

**For containment:** Contain spilled liquid with sand, earth or other suitable absorbents. Recover free liquid in suitable containers. Clean contaminated area. Dispose of according to local regulations.

**Methods for cleaning up:** Can be dumped or incinerated according to local regulations.

**Other information:** Recommended measures are based on the most likely spillage scenarios for this material; however, local conditions (wind, air/water temperature, wave/current direction and speed) may significantly influence the choice of appropriate actions. Local regulations may also prescribe or limit actions to be taken. For this reason, local experts should be consulted when necessary.

#### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Precautions for safe handling:** Ensure that all relevant regulations regarding handling and storage facilities of flammable products are followed.

**Handling temperature:** This product can be handled at ambient temperatures.
Hygiene measures: Avoid contact with skin. Do not breathe fume/ mist/ vapours. Do not ingest. Do not smoke. Do not eat and do not drink during use. Do not clean hands with dirty or oil-soaked rags. Do not re-use clothes, if they are still contaminated. Keep away from food and beverages.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in dry, well ventilated area. Keep away from open flames, hot surfaces and sources of ignition. Do not smoke.

Incompatible products: Keep away from: strong oxidants.

Storage temperature: This product can be stored at ambient temperatures.

Storage area: Storage area layout, tank design, equipment and operating procedures must comply with the relevant European, national or local legislation. Storage installations should be designed with adequate bunds so as to prevent ground and water pollution in case of leaks or spills. Cleaning, inspection and maintenance of internal structure of storage tanks must be done only by properly equipped and qualified personnel as defined by national, local or company regulations.

Packages and containers: If the product is supplied in containers: Keep containers tightly closed and properly labelled. Keep only in the original container or in a suitable container for this kind of product.

Packaging materials: For containers, or container linings use materials specifically approved for use with this product. Compatibility should be checked with the manufacturer.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Phenol, isopropylated, phosphate (3:1) (68937-41-7)

<table>
<thead>
<tr>
<th>Country</th>
<th>Control Parameter</th>
<th>Limit Value</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Austria</td>
<td>MAK (mg/m³)</td>
<td>3 mg/m³</td>
<td>CAS 115-86-6, Triphenylphosphate</td>
</tr>
<tr>
<td>Austria</td>
<td>MAK Short time value (mg/m³)</td>
<td>6 mg/m³</td>
<td>CAS 115-86-6, Triphenylphosphate</td>
</tr>
<tr>
<td>Belgium</td>
<td>Limit value (mg/m³)</td>
<td>3 mg/m³</td>
<td>CAS 115-86-6, Triphenylphosphate</td>
</tr>
<tr>
<td>Denmark</td>
<td>Grænseværdi (langvarig) (mg/m³)</td>
<td>3 mg/m³</td>
<td>CAS 115-86-6, Triphenylphosphate</td>
</tr>
<tr>
<td>Denmark</td>
<td>Grænseværdi (kortvarig) (mg/m³)</td>
<td>6 mg/m³</td>
<td>CAS 115-86-6, Triphenylphosphate</td>
</tr>
<tr>
<td>Finland</td>
<td>HTP-arvo (8h) (mg/m³)</td>
<td>3 mg/m³</td>
<td>CAS 115-86-6, Triphenylphosphate</td>
</tr>
<tr>
<td>Finland</td>
<td>HTP-arvo (15 min) (mg/m³)</td>
<td>6 mg/m³</td>
<td>CAS 115-86-6, Triphenylphosphate</td>
</tr>
<tr>
<td>France</td>
<td>VME (mg/m³)</td>
<td>3 mg/m³</td>
<td>CAS 115-86-6, Triphenylphosphate</td>
</tr>
<tr>
<td>Ireland</td>
<td>OEL (8 hours ref) (mg/m³)</td>
<td>3 mg/m³</td>
<td>CAS 115-86-6, Triphenylphosphate</td>
</tr>
<tr>
<td>Spain</td>
<td>VLA-ED (mg/m³)</td>
<td>3 mg/m³</td>
<td>CAS 115-86-6, Triphenylphosphate</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>WEL TWA (mg/m³)</td>
<td>3 mg/m³</td>
<td>CAS 115-86-6, Triphenylphosphate</td>
</tr>
<tr>
<td>USA - ACGIH</td>
<td>ACGIH TLV®-TWA (mg/m³)</td>
<td>3 mg/m³</td>
<td>CAS 115-86-6, Triphenylphosphate</td>
</tr>
<tr>
<td>USA - NIOSH</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td>3 mg/m³</td>
<td>CAS 115-86-6, Triphenylphosphate</td>
</tr>
<tr>
<td>USA - OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>3 mg/m³</td>
<td>CAS 115-86-6, Triphenylphosphate</td>
</tr>
<tr>
<td>Eni Blasia S 150</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Additional information</td>
<td>Not applicable</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Monitoring methods
- Monitoring procedures should be chosen according to the indications set by national authorities or labour contracts. Refer to relevant legislation and in any case to the good practice of industrial hygiene.

### Note
- The Derived No Effect Level (DNEL) is an estimated safe level of exposure that is derived from toxicity data in accord with specific guidance within the European REACH regulation. The DNEL may differ from an Occupational Exposure Limit (OEL) for the same chemical. OELs may be recommended by an individual company, a governmental regulatory body or an expert organization, such as the Scientific Committee for Occupational Exposure Limits (SCOEL) or the American Conference of Governmental Industrial Hygienists (ACGIH). OELs are considered to be safe exposure levels for a typical worker in an occupational setting for an 8-hour work shift, 40 hour work week, as a time weighted average (TWA) or a 15 minute short-term exposure limit (STEL). While also considered to be protective of health, OELs are derived by a process different from that of REACH.

## 8.2. Exposure controls

### Appropriate engineering controls
- Ensure good ventilation of the work station.

### Personal protective equipment (for industrial or professional use)
- Gloves. Protective clothing. Safety glasses. Safety shoes or boots.

#### Hand protection
- Chemical resistant gloves (according to European standard NF EN 374 or equivalent). Adequate materials: nitrile (NBR) or neoprene with a protection index $\geq 5$ (permeation time $\geq 240$ mins). Use gloves respecting all the conditions and within the limits set by the manufacturer. Replace gloves immediately in case of cuts, holes or other signs of damages or degradation. If necessary, refer to the EN 374 standard. Personal hygiene is a key element for an effective hand care. Gloves must be worn only with clean hands. After wearing gloves, hands must be carefully washed and dried.

#### Eye protection
- Chemical goggles or safety glasses. DIN EN 166

#### Skin and body protection
- Long-sleeved overalls. If necessary, refer to the EN 340 and related standards, for definition of characteristics and performance according to the risk rating of the area.

#### Respiratory protection
- Independently from other possible actions (technical modifications, operating procedures, and other means to limit the exposure of workers), personal protection equipment can be used according to necessity. Open or well ventilated spaces: if the product is handled without adequate containment: use full or half-face masks with adequate filter for organic vapours. (EN 136/140/145). Combination filter device (DIN EN 141). Closed or confined areas (e.g. tank interiors): the use of protection measures for airways (masks or self-contained breathing apparatus), must be assessed according to the specific activity, as well as level and duration of predicted exposure. (EN 136/140/145)

#### Thermal hazard protection
- If contact with hot product is possible or anticipated, gloves should be heat-resistant and thermally insulated.

#### Environmental exposure controls
- Do not discharge the product into the environment. Storage areas/installations should be designed with adequate bunds so as to prevent ground and water pollution in case of leaks or spills. Prevent discharge of undissolved substance to or recover from onsite wastewater. Onsite wastewater treatment required. Do not apply industrial sludge to natural soils. Sludge should be incinerated, contained or reclaimed.

#### Consumer exposure controls
- Not applicable.
8.3. **Hygiene measures**

General protective and hygienic measures:
- Avoid contact with skin and eyes.
- Do not breathe vapours or mists.
- Do not clean hands with dirty or oil-soaked rags.
- Do not keep dirty rags in the overall pockets.
- Do not drink, eat or smoke with dirty hands.
- Wash hands with water and mild soap, do not use solvents or other irritant products which have a defatting effect on the skin.
- Do not re-use clothes, if they are still contaminated.

SECTION 9: **Physical and chemical properties**

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Liquid, bright &amp; clear.</td>
</tr>
<tr>
<td>Molecular mass</td>
<td>Not applicable for mixtures</td>
</tr>
<tr>
<td>Colour</td>
<td>Pale yellow</td>
</tr>
<tr>
<td>Odour</td>
<td>characteristic</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>There are no data available on the preparation/mixture itself.</td>
</tr>
<tr>
<td>pH</td>
<td>There are no data available on the preparation/mixture itself.</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>Negligible.</td>
</tr>
<tr>
<td>Melting point</td>
<td>-36 °C (pour point) (ASTM D 97)</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>240 °C (ASTM D 92)</td>
</tr>
<tr>
<td>Critical temperature</td>
<td>Not applicable for mixtures</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Critical pressure</td>
<td>Not applicable for mixtures</td>
</tr>
<tr>
<td>Relative vapour density at 20 ºC</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>1000 kg/m³ (15 ºC) (ASTM D 4052)</td>
</tr>
<tr>
<td>Solubility</td>
<td>Water: Immiscible and insoluble</td>
</tr>
<tr>
<td>Log Pow</td>
<td>Not applicable for mixtures</td>
</tr>
<tr>
<td>Log Kow</td>
<td>Not applicable for mixtures</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>150 mm²/s (40 ºC) (ASTM D 445)</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>None (according to composition).</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>None (according to composition).</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2. **Other information**

Additional information: No data available

The above data (9.1 - 9.2) are typical values and do not constitute a specification.

SECTION 10: **Stability and reactivity**

10.1. **Reactivity**

This mixture does not offer any further hazard for reactivity, except what is reported in the following paragraphs.

10.2. **Chemical stability**

Stable product, according to its intrinsic properties (in normal conditions of storage and handling). 

24/04/2018
10.3. Possibility of hazardous reactions
None (in normal conditions of storage and handling).

10.4. Conditions to avoid
Keep away from open flames, hot surfaces and sources of ignition.

10.5. Incompatible materials
Strong oxidants.

10.6. Hazardous decomposition products
Thermal decomposition may produce: Carbon dioxide, Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity
Not classified (Based on available data, the classification criteria are not met)
(according to composition)

<table>
<thead>
<tr>
<th>reagent</th>
<th>route of exposure</th>
<th>concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0)</td>
<td>oral rat</td>
<td>500 - 2000 mg/kg bodyweight</td>
</tr>
<tr>
<td></td>
<td>dermal rat</td>
<td>2000 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

Phenol, isopropylated, phosphate (3:1) (68937-41-7)

<table>
<thead>
<tr>
<th>reagent</th>
<th>route of exposure</th>
<th>concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>oral rat</td>
<td></td>
<td>≥ 5000 mg/kg</td>
</tr>
<tr>
<td>dermal rat</td>
<td></td>
<td>≥ 2000 mg/kg bodyweight</td>
</tr>
<tr>
<td>inhalation rat (mg/l)</td>
<td></td>
<td>≥ 5 mg/l/4h</td>
</tr>
</tbody>
</table>

Succinic anhydride, alkylation products with C12-rich branched olefins from propene oligomerisation, hydrolyzed, esterification products with propylene oxide

<table>
<thead>
<tr>
<th>reagent</th>
<th>route of exposure</th>
<th>concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>oral rat</td>
<td></td>
<td>2000 mg/kg bodyweight</td>
</tr>
<tr>
<td>dermal rat</td>
<td></td>
<td>2000 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation
Not classified (Based on available data, the classification criteria are not met)
(according to composition)

Serious eye damage/irritation
Not classified (Based on available data, the classification criteria are not met)
(according to composition)

Respiratory or skin sensitisation
Not classified (Based on available data, the classification criteria are not met)
(according to composition)
Contains Succinic anhydride, alkylation products with C12-rich branched olefins from propene oligomerisation, hydrolyzed, esterification products with propylene oxide.
May cause an allergic skin reaction.

Germ cell mutagenicity
Not classified (Based on available data, the classification criteria are not met)
(according to composition)

Carcinogenicity
Not classified (Based on available data, the classification criteria are not met)
(according to composition)

Reproductive toxicity
Not classified (Based on available data, the classification criteria are not met)
(according to composition)
This product contains a substance (alkylphenol, branched) classified as Repr. 2, H361 (CLP) according to the criteria of EU Suspected of damaging the unborn child.

STOT—single exposure
Not classified (Based on available data, the classification criteria are not met)
(according to composition)

<table>
<thead>
<tr>
<th>reagent</th>
<th>route of exposure</th>
<th>concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0)</td>
<td>oral rat</td>
<td>5 mg/kg bw/day (28 d)</td>
</tr>
</tbody>
</table>

STOT—repeated exposure
Not classified (Based on available data, the classification criteria are not met)
(according to composition)

Aspiration hazard
Not classified (Based on available data, the classification criteria are not met)
(according to composition)
### Eni Blasia S 150

**Viscosity, kinematic**
150 mm²/s (40 °C) (ASTM D 445)

**Potential adverse human health effects and symptoms**
Prolonged and repeated skin contact may cause reddening, irritation and dermatitis, due to a defatting effect. May cause an allergic skin reaction. Avoid all eye and skin contact and do not breathe vapour and mist.

**Other information**
None.

## 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 uncontrolled release to the environment may nevertheless produce a contamination of different environmental compartments (soil, underground, surface water bodies, aquifers). Handle according to general working hygiene practices to avoid pollution and release into the environment.

**Ecology - water**
This product is not soluble in water. It floats on water and forms a film on the surface. The damage to aquatic organisms is of mechanical kind (immobilization and entrapment).

<table>
<thead>
<tr>
<th>reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
</tr>
<tr>
<td>ErC50 (algae)</td>
</tr>
<tr>
<td>NOEC (acute)</td>
</tr>
<tr>
<td>NOEC (chronic)</td>
</tr>
</tbody>
</table>

**Phenol, isopropylated, phosphate (3:1) (68937-41-7)**

| LC50 fish 1 | 1,6 mg/l (96h) |
| EC50 Daphnia 1 | 2,44 mg/l (48 h) |

**Succinic anhydride, alkylation products with C12-rich branched olefins from propene oligomerisation, hydrolyzed, esterification products with propylene oxide**

| LC50 fish 1 | 100 mg/l |
| EC50 Daphnia 1 | 100 mg/l |

### 12.2. Persistence and degradability

**Persisteance and degradability**
The most significant constituents of the product should be considered as "inherently biodegradable", but not "readily biodegradable", and they may be moderately persistent, particularly in anaerobic conditions.

**Succinic anhydride, alkylation products with C12-rich branched olefins from propene oligomerisation, hydrolyzed, esterification products with propylene oxide**

| Biodegradation | 9,1 % (28d) |

### 12.3. Bioaccumulative potential

**Bioaccumulative potential**

**Succinic anhydride, alkylation products with C12-rich branched olefins from propene oligomerisation, hydrolyzed, esterification products with propylene oxide**

| Log Kow | 3,6 (0,1d) |

### 12.4. Mobility in soil

**Ecology - soil**
No data available.

### 12.5. Results of PBT and vPvB assessment

**This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII**

**This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII**
Results of PBT-vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB. The product should be considered prudentially as “Persistent” in the environment, according to the REACH Annex XIII criteria (point 1.1).

12.6. Other adverse effects

Other adverse effects : None.

Additional information : No other effects known

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Do not dispose of the product, either new or used, by discharging into sewers, tunnels, lakes or water courses. Deliver to a qualified official collector. Dispose of empty containers and wastes safely.

Sewage disposal recommendations : Dispose of in a safe manner in accordance with local/national regulations. Do not apply industrial sludge to natural soils. Sludge should be incinerated, contained or reclaimed.

Additional information : Empty containers may contain combustible product residues. Do not cut, weld, drill, burn or incinerate empty containers or drums, unless they have been cleaned, and declared safe.

Ecology - waste materials : The product as it is does not contain halogenated substances.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1. UN number</td>
<td>Not regulated for transport</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.2. UN proper shipping name</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.3. Transport hazard class(es)</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.4. Packing group</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.5. Environmental hazards</td>
<td>Dangerous for the environment : No</td>
<td>Dangerous for the environment : No</td>
<td>Dangerous for the environment : No</td>
<td>Dangerous for the environment : No</td>
</tr>
</tbody>
</table>

Other information : None.

14.6. Special precautions for user

Special transport precautions : None.

- Overland transport
  Transport regulations (ADR) : Not subject

- Transport by sea
  Transport regulations (IMDG) : Not subject
  Limited quantities (IMDG) : Not applicable

- Air transport
  Transport regulations (IATA) : Not subject

- Inland waterway transport
  Transport regulations (ADN) : Not subject

- Rail transport
  Transport regulations (RID) : Not subject

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

IBC code : Not applicable.
Eni Blasia S 150

Safety Data Sheet
According to Regulation (EU) No. 830/2015

Product code: 2770
Revision date: 12/04/2018
Version: 4.0

SECTION 15: Regulatory Information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

<table>
<thead>
<tr>
<th>Reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate - Succinic anhydride, alkylation products with C12-rich branched olefins from propene oligomerisation, hydrolyzed, esterification products with propylene oxide - Phenol, isopropylated, phosphate (3:1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No ingredients are included in the REACH Candidate list (&gt; 0,1 % m/m).</td>
</tr>
<tr>
<td>Contains no REACH Annex XIV substances</td>
</tr>
</tbody>
</table>

Relevant EU Legislation:
- Directive 98/24/EC (protection of the health and safety of workers from the risks related to chemical agents at work).
- Directive 92/85/CE (measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding)
- Directive 2012/18/CE (Control of major-accident hazards involving dangerous substances)
- Directive 2004/42/CE (Limitation of emissions of Volatile Organic Compounds)

15.1.2. National regulations

National adoption of EU Directives concerning health and safety on the workplace.
National adoption of EU Directives concerning control of major-accident hazards involving dangerous substances (2012/18/CE).
Relevant national laws on prevention of water pollution.
Relevant national laws on protection of the health of pregnant workers (National adoption of Dir. 92/85/EEC).
National adoption of Directives 75/439/CEE - 87/101/CEE concerning disposal of used oils.

Germany

Reference to AwSV: Water hazard class (WGK) (D) 1, low hazard to waters (Classification according to AwSV, Annex 1)

WGK remark: Classification based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS)

VbF class (D): Not applicable.

Storage class (LGK) (D): LGK 12 - Non-combustible liquids
Employment restrictions: Employment prohibitions or restrictions on the protection of young people at work according to § 22 JArbSchG in the case of formation of hazardous substances have to be observed.

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

Other information, restrictions and prohibition regulations:
- TRGS 900: Occupational Exposure Limits
- TRGS 800: Fire protection measures
- TRGS 555: Working instruction and information for workers
- TRGS 402: Identification and Assessment of the Risks from Activities involving Hazardous Substances: Inhalation Exposure
- TRGS 401: Risks resulting from skin contact - identification, assessment, measures
- TRGS 400: Hazard assessment for activities involving Hazardous Substances

Netherlands
- Waterbezwaarlijkheid: 8 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
  9 - Harmful to aquatic organisms
- Saneringsinspanningen: C - Lozing minimaliseren
- SZW-lijst van kankerverwekkende stoffen: None of the components are listed
- SZW-lijst van mutagene stoffen: None of the components are listed
- NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding: None of the components are listed
- NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid: None of the components are listed
- NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling: None of the components are listed

Denmark
- Recommendations Danish Regulation: Pregnant/breastfeeding women working with the product must not be in direct contact with it

15.2. Chemical safety assessment

For this mixture a chemical safety assessment has been not carried out

<table>
<thead>
<tr>
<th>A chemical safety assessment has been carried out for the following components of this mixture:</th>
</tr>
</thead>
<tbody>
<tr>
<td>reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate</td>
</tr>
<tr>
<td>Succinic anhydride, alkylation products with C12-rich branched olefins from propene oligomerisation, hydrolyzed, esterification products with propylene oxide</td>
</tr>
<tr>
<td>Phenol, isopropylated, phosphate (3:1)</td>
</tr>
</tbody>
</table>

SECTION 16: Other information

Indication of changes:
Modification according to Regulation (EC) 830/2015.

Abbreviations and acronyms:
- N/D = not available
- N/A = not applicable
- ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- ADR European Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE Acute Toxicity Estimate
- BCF Bioconcentration factor
- CLP Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
- DMEL Derived Minimal Effect level
- DNEL Derived-No Effect Level
- EC50 Effective concentration for 50 percent of test population (median effective concentration)
- IARC International Agency for Research on Cancer
- IATA International Air Transport Association
- IMDG International Maritime Dangerous Goods
LC50  Lethal concentration for 50 percent of test population (median lethal concentration)

LD50  Lethal dose for 50 percent of test population (median lethal dose)

LOAEL  Lowest Observed Adverse Effect Level

NOAEC  No-Observed Adverse Effect Concentration

NOAEL  No-Observed Adverse Effect Level

NOEC  No-Observed Effect Concentration

OECD  Organisation for Economic Co-operation and Development

PBT  Persistent Bioaccumulative Toxic

PNEC  Predicted No-Effect Concentration


RID  Regulation concerning the International Carriage of Dangerous Goods by Railways

SDS  Safety Data Sheet

STP  Sewage treatment plant

vPvB  Very Persistent and Very Bioaccumulative

Data sources: This Safety Data Sheet is based on the real characteristics of the components and their combination, taking into account the information provided by the suppliers.

Training advice: Provide adequate training to professional operators for the use of PPEs, according to the information contained in this Safety Data Sheet.

Other information: Do not use the product for any purposes that have not been advised by the manufacturer.

Full text of H- and EUH-statements:

Aquatic Chronic 1  Hazardous to the aquatic environment — Chronic Hazard, Category 1

Aquatic Chronic 3  Hazardous to the aquatic environment — Chronic Hazard, Category 3

Aquatic Chronic 4  Hazardous to the aquatic environment — Chronic Hazard, Category 4

Eye Irrit. 2  Serious eye damage/eye irritation, Category 2

Repr. 2  Reproductive toxicity, Category 2

Skin Sens. 1B  Skin sensitisation, category 1B

STOT RE 2  Specific target organ toxicity — Repeated exposure, Category 2

H317  May cause an allergic skin reaction.

H319  Causes serious eye irritation.

H361fd  Suspected of damaging fertility. Suspected of damaging the unborn child.

H373  May cause damage to organs through prolonged or repeated exposure.

H410  Very toxic to aquatic life with long lasting effects.

H412  Harmful to aquatic life with long lasting effects.

H413  May cause long lasting harmful effects to aquatic life.

EUH208  Contains Succinic anhydride, alkylation products with C12-rich branched olefins from propene oligomerisation, hydrolyzed, esterification products with propylene oxide. May produce an allergic reaction.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Aquatic Chronic 3  H412  Calculation method

24/04/2018  EN (English)  13/13