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

1.1. Product identifier
183 System Agent Concentrate MP18300200A

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture
Additive

1.3. Details of the supplier of the safety data sheet
Company name: TUNAP Deutschland Vertriebs GmbH & Co. Betriebs KG
Street: Bürgermeister-Seidl-Str. 2
Place: D-82515 Wolfratshausen
Telephone: +49 (0) 8171/1600 - 0 Telefax: +49 (0) 8171/1600 - 40
e-mail: sdb@tunap.com
Internet: www.tunap.com

1.4. Emergency telephone number:
+49 (0) 30 30 686 790 (Giftnotruf Berlin)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Regulation (EC) No. 1272/2008
Hazard categories:
Flammable liquid: Flam. Liq. 3
Skin corrosion/irritation: Skin Irrit. 2
Serious eye damage/eye irritation: Eye Irrit. 2
Specific target organ toxicity - single exposure: STOT SE 3
Aspiration hazard: Asp. Tox. 1
Hazardous to the aquatic environment: Aquatic Chronic 3
Hazard Statements:
Flammable liquid and vapour.
May be fatal if swallowed and enters airways.
Causes skin irritation.
Causes serious eye irritation.
May cause drowsiness or dizziness.
Harmful to aquatic life with long lasting effects.

2.2. Label elements
Regulation (EC) No. 1272/2008
Hazard components for labelling
Hydrocarbons, C9 - C11, n-alkanes, iso-alkanes, cyclics, < 2 % aromates
Signal word: Danger

Hazard statements
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 Do not breathe vapours.
P280 Wear eye/face protection.
P302+P352 IF ON SKIN: Wash with plenty of Water and soap...
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P314 Get medical advice/attention if you feel unwell.

Special labelling of certain mixtures

EUH044 Risk of explosion if heated under confinement.
EUH066 Repeated exposure may cause skin dryness or cracking.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Hydrocarbons, C9 - C11, n-alkanes, iso-alkanes, cyclics, &lt; 2 % aromates</td>
<td>50 - &lt;= 100 %</td>
</tr>
<tr>
<td></td>
<td>919-857-5</td>
<td>01-2119463258-33</td>
</tr>
<tr>
<td></td>
<td>Flam. Liq. 3, STOT SE 3, Asp. Tox. 1; H226 H336 H304 EUH066</td>
<td></td>
</tr>
<tr>
<td></td>
<td>27247-96-7 2-Ethylhexyl nitrate</td>
<td>10 - &lt; 20 %</td>
</tr>
<tr>
<td></td>
<td>248-363-6</td>
<td>01-2119539586-27</td>
</tr>
<tr>
<td></td>
<td>Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Aquatic Chronic 2; H332 H312 H302 H411 EUH044 EUH066</td>
<td></td>
</tr>
<tr>
<td></td>
<td>104-76-7 2-Ethylhexan-1-ol</td>
<td>10 - &lt; 20 %</td>
</tr>
<tr>
<td></td>
<td>203-234-3</td>
<td>01-2119487289-20</td>
</tr>
<tr>
<td></td>
<td>Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H332 H315 H319 H335</td>
<td></td>
</tr>
<tr>
<td></td>
<td>128-37-0 2,6-di-tert-butyl-p cresol</td>
<td>0.1 - &lt; 1 %</td>
</tr>
<tr>
<td></td>
<td>204-881-4</td>
<td>01-2119565113-46</td>
</tr>
<tr>
<td></td>
<td>Aquatic Acute 1, Aquatic Chronic 1; H400 H410</td>
<td></td>
</tr>
</tbody>
</table>

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information
First aider: Pay attention to self-protection! Remove persons to safety. Never give anything by mouth to an unconscious person or a person with cramps.

After inhalation
Remove person to fresh air and keep comfortable for breathing. In all cases of doubt, or when symptoms persist, seek medical advice.
After contact with skin  
Wash with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse.  
In all cases of doubt, or when symptoms persist, seek medical advice. 

After contact with eyes  
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist. 

After ingestion  
Do NOT induce vomiting. Observe risk of aspiration if vomiting occurs. Call a physician in any case! 

4.2. Most important symptoms and effects, both acute and delayed  
Headache, nausea, dizziness, fatigue, skin irritation 

4.3. Indication of any immediate medical attention and special treatment needed  
Treat symptomatically. Call a POISON CENTER. Symptoms can occur only after several hours. 

SECTION 5: Firefighting measures 

5.1. Extinguishing media  
Suitable extinguishing media  

Unsuitable extinguishing media  
High power water jet. 

5.2. Special hazards arising from the substance or mixture  
Incomplete combustion and thermolysis gases of different toxicity can occur. In the case of hydrocarbonaceous products such as CO, CO2, aldehydes and soot. These can be very dangerous if they are inhaled in high concentrations or in enclosed spaces. 

5.3. Advice for firefighters  
In case of fire and/or explosion do not breathe fumes. Move undamaged containers from immediate hazard area if it can be done safely. In case of fire: Wear self-contained breathing apparatus. 

Additional information  
Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. 

SECTION 6: Accidental release measures 

6.1. Personal precautions, protective equipment and emergency procedures  
Wear breathing apparatus if exposed to vapours/dusts/aerosols. Remove all sources of ignition. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. 
Wear personal protection equipment. 

6.2. Environmental precautions  
Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Ensure all waste water is collected and treated via a waste water treatment plant. 

6.3. Methods and material for containment and cleaning up  
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Clean contaminated articles and floor according to the environmental legislation. 

6.4. Reference to other sections  
Safe handling: see section 7  
Personal protection equipment: see section 8 
Disposal: see section 13 

SECTION 7: Handling and storage 

7.1. Precautions for safe handling
Advice on safe handling
Observe instructions for use.
Dust must be exhausted directly at the point of origin. Vapours/aerosols must be exhausted directly at the point of origin. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.
When using do not eat, drink, smoke, sniff.
Wear personal protection equipment (refer to section 8).

Advice on protection against fire and explosion
Keep away from sources of ignition - No smoking.

Further information on handling
Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels
Keep container tightly closed. Observe legal regulations and provisions.

Advice on storage compatibility
Do not store together with: Oxidizing agents. Pyrophoric or self-heating substances. Food and feedingstuffs.

Further information on storage conditions
Store in a cool dry place. Observe legal regulations and provisions.

7.3. Specific end use(s)
Additive

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>ppm</th>
<th>mg/m³</th>
<th>fibres/ml</th>
<th>Category</th>
<th>Origin</th>
</tr>
</thead>
<tbody>
<tr>
<td>128-37-0</td>
<td>2,6-Di-tert-butyl-p-cresol</td>
<td>-</td>
<td>10</td>
<td>-</td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>STEL (15 min)</td>
<td>WEL</td>
</tr>
</tbody>
</table>

DNEL/DMEL values

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>DNEL type</th>
<th>Exposure route</th>
<th>Effect</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>27247-96-7</td>
<td>2-Ethylhexyl nitrate</td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
<td>0,35 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worker DNEL, long-term</td>
<td>dermal</td>
<td>systemic</td>
<td>1 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>dermal</td>
<td>systemic</td>
<td>0,52 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>oral</td>
<td>systemic</td>
<td>0,025 mg/kg bw/day</td>
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### PNEC values

<table>
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<th>CAS No</th>
<th>Substance</th>
<th>Environmental compartment Value</th>
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<tbody>
<tr>
<td>27247-96-7</td>
<td>2-Ethylhexyl nitrate</td>
<td>2-Ethylhexyl nitrate</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Freshwater 0,0008 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marine water 0,00008 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Freshwater sediment 0,00074 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marine sediment 0,00074 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Micro-organisms in sewage treatment plants (STP) 10 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Soil 0,000191 mg/kg</td>
</tr>
</tbody>
</table>

#### Additional advice on limit values

- a no restriction
- b End of exposure or end of shift
- c at long term exposure: after several previous shifts
- d before next shift

**Blood (B)**

**Urine (U)**

### 8.2. Exposure controls

#### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used.

#### Protective and hygiene measures

Avoid exposure. Wear suitable protective clothing. Draw up and observe skin protection programme.

**Eye/face protection**

- Suitable eye protection: Tightly sealed safety glasses.
  - DIN EN 166

**Hand protection**

Protect skin by using skin protective cream. When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

- Suitable material: NBR (Nitrile rubber) Breakthrough time (maximum wearing time) 480min
- Thickness of the glove material 0,45 mm
- DIN EN 374

**Skin protection**

Wear suitable protective clothing. Take off immediately all contaminated clothing and wash it before reuse.

**Respiratory protection**

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

When exceeding the relevant workplace exposure limits, note the following:

- Suitable respiratory protective equipment: Combination filter device (DIN EN 141).
- Filtering device with filter or ventilator filtering device of type: A
- Observe the wear time limits as specified by the manufacturer.
- Observe legal regulations and provisions.

**Environmental exposure controls**

Observe legal regulations and provisions.
SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid
Colour: characteristic
Odour: solvent like

Test method
determined

pH-Value (at 20 °C): not determined
DIN 19268

Changes in the physical state

Melting point: not determined
Initial boiling point and boiling range: > 100 °C
Flash point: 36 °C ISO 3679

Flammability

Solid: not applicable
Gas: not applicable
Lower explosion limits: 0,6 vol. %
Upper explosion limits: 12,7 vol. %

Auto-ignition temperature

Solid: not applicable
Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

Not oxidising.

Vapour pressure: not determined
Density (at 20 °C): 0,8125 g/cm³ DIN 51757
Water solubility: The study does not need to be conducted because the substance is known to be insoluble in water.

Solubility in other solvents

not determined

Partition coefficient: not determined
Viscosity / dynamic: No information available. DIN 53019-1
Viscosity / kinematic: < 7 mm²/s DIN EN ISO 3104
(at 40 °C)
Flow time: No information available. DIN EN ISO 2431
(at 20 °C)
Vapour density: not determined
Evaporation rate: not determined

9.2. Other information

Solid content: not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable
10.2. Chemical stability
The product is stable under normal conditions.

10.3. Possibility of hazardous reactions
No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid
Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Take precautionary measures against static discharges.

10.5. Incompatible materials
Oxidizing agents. Pyrophoric or self-heating substances.

10.6. Hazardous decomposition products
Incomplete combustion and thermolysis gases of different toxicity can occur. In the case of hydrocarbonaceous products such as CO, CO2, aldehydes and soot. These can be very dangerous if they are inhaled in high concentrations or in enclosed spaces.

Further information
Do not mix with other chemicals.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Toxicokinetics, metabolism and distribution
There are no data available on the mixture itself.

Acute toxicity
Based on available data, the classification criteria are not met.

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Exposure route</th>
<th>Dose</th>
<th>Species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-48-9</td>
<td>Hydrocarbons, C9 - C11, n-alkanes, iso-alkanes, cyclics, &lt; 2 % aromates</td>
<td>oral</td>
<td>LD50</td>
<td>&gt; 5000 mg/kg</td>
<td>Rat</td>
</tr>
<tr>
<td></td>
<td></td>
<td>dermal</td>
<td>LD50</td>
<td>&gt; 5000 mg/kg</td>
<td>Rabbit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>inhalative (4 h) vapour</td>
<td>LC50</td>
<td>4951 mg/l</td>
<td>Rat</td>
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<tr>
<td>27247-96-7</td>
<td>2-Ethylhexyl nitrate</td>
<td>oral</td>
<td>LD50</td>
<td>&gt;9640 mg/kg</td>
<td>Rat</td>
</tr>
<tr>
<td></td>
<td></td>
<td>dermal</td>
<td>LD50</td>
<td>&gt;4820 mg/kg</td>
<td>Rabbit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>inhalative (4 h) vapour</td>
<td>LC50</td>
<td>11 mg/l</td>
<td>Rat</td>
</tr>
<tr>
<td></td>
<td></td>
<td>inhalative aerosol</td>
<td>ATE</td>
<td>1,5 mg/l</td>
<td></td>
</tr>
<tr>
<td>104-76-7</td>
<td>2-Ethylhexan-1-ol</td>
<td>oral</td>
<td>LD50</td>
<td>2047 mg/kg</td>
<td>Rat</td>
</tr>
<tr>
<td></td>
<td></td>
<td>dermal</td>
<td>LD50</td>
<td>&gt; 3000 mg/kg</td>
<td>Rat</td>
</tr>
<tr>
<td></td>
<td></td>
<td>inhalative (4 h) vapour</td>
<td>LC50</td>
<td>11 mg/l</td>
<td>Rat</td>
</tr>
<tr>
<td></td>
<td></td>
<td>inhalative aerosol</td>
<td>ATE</td>
<td>1,5 mg/l</td>
<td></td>
</tr>
<tr>
<td>128-37-0</td>
<td>2,6-di-tert-butyl-p-cresol</td>
<td>oral</td>
<td>LD50</td>
<td>2930 mg/kg</td>
<td>Rat</td>
</tr>
<tr>
<td></td>
<td></td>
<td>dermal</td>
<td>LD50</td>
<td>&gt;2000 mg/kg</td>
<td>Rat</td>
</tr>
</tbody>
</table>

Irritation and corrosivity
Causes skin irritation.
Causes serious eye irritation.
Sensitising effects
Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction
Based on available data, the classification criteria are not met. No indications of human carcinogenicity exist. No indications of human germ cell mutagenicity exist. No indications of human reproductive toxicity exist.

STOT-single exposure
May cause drowsiness or dizziness. (Hydrocarbons, C9 - C11, n-alkanes, iso-alkanes, cyclics, < 2 % aromates)

STOT-repeated exposure
Repeated exposure may cause skin dryness or cracking.

Aspiration hazard
May be fatal if swallowed and enters airways. (Hydrocarbons, C9 - C11, n-alkanes, iso-alkanes, cyclics, < 2 % aromates)

Specific effects in experiment on an animal
No information available.

Additional information on tests
The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Aquatic toxicity</th>
<th>Dose</th>
<th>[h]</th>
<th>[d]</th>
<th>Species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-48-9</td>
<td>Hydrocarbons, C9 - C11, n-alkanes, iso-alkanes, cyclics, &lt; 2 % aromates</td>
<td></td>
<td></td>
<td></td>
<td>96</td>
<td>Pimephales promelas</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Acute fish toxicity</td>
<td>LC50</td>
<td>&gt; 100 mg/l</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Acute algae toxicity</td>
<td>ErC50</td>
<td>&gt; 100 mg/l</td>
<td></td>
<td></td>
<td>Pseudokirchneriella subcapitata</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Acute crustacea toxicity</td>
<td>EC50</td>
<td>&gt; 100 mg/l</td>
<td></td>
<td></td>
<td>Daphnia magna</td>
<td></td>
</tr>
<tr>
<td>27247-96-7</td>
<td>2-Ethylhexyl nitrate</td>
<td></td>
<td></td>
<td></td>
<td>96</td>
<td>Danio rerio</td>
<td>Study report (2010)</td>
</tr>
<tr>
<td></td>
<td>Acute fish toxicity</td>
<td>LC50</td>
<td>2 mg/l</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Acute algae toxicity</td>
<td>ErC50</td>
<td>&gt; 12,6 mg/l</td>
<td></td>
<td></td>
<td>Pseudokirchneriella subcapitata</td>
<td>Study report (1998)</td>
</tr>
<tr>
<td></td>
<td>Acute crustacea toxicity</td>
<td>EC50</td>
<td>&gt; 12,6 mg/l</td>
<td></td>
<td></td>
<td>Daphnia magna</td>
<td>Study report (1998)</td>
</tr>
<tr>
<td></td>
<td>Acute bacteria toxicity</td>
<td>(&gt; 1000 mg/l)</td>
<td>3 h activated sludge of a predominantly domestic sewage</td>
<td>Study report (2010)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>104-76-7</td>
<td>2-Ethylhexan-1-ol</td>
<td></td>
<td></td>
<td></td>
<td>96</td>
<td>Leuciscus idus (golden orfe)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Acute fish toxicity</td>
<td>LC50</td>
<td>17,1 mg/l</td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Acute algae toxicity</td>
<td>ErC50</td>
<td>11,5 mg/l</td>
<td></td>
<td></td>
<td>Scenedesmus subspicatus</td>
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</tr>
<tr>
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<td>Acute crustacea toxicity</td>
<td>EC50</td>
<td>39 mg/l</td>
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<td>Daphnia magna</td>
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</tr>
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<td>128-37-0</td>
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<td></td>
<td></td>
<td></td>
<td>96</td>
<td>Brachydanio rerio (zebra-fish)</td>
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</tr>
<tr>
<td></td>
<td>Acute fish toxicity</td>
<td>LC50</td>
<td>0,42 mg/l</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Acute algae toxicity</td>
<td>ErC50</td>
<td>0,42 mg/l</td>
<td></td>
<td></td>
<td>Scenedesmus subspicatus</td>
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<tr>
<td></td>
<td>Acute crustacea toxicity</td>
<td>EC50</td>
<td>0,57 mg/l</td>
<td></td>
<td></td>
<td>Daphnia magna</td>
<td></td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-48-9</td>
<td>Hydrocarbons, C9 - C11, n-alkanes, iso-alkanes, cyclics, &lt; 2 % aromates</td>
<td>5</td>
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<td>27247-96-7</td>
<td>2-Ethylhexyl nitrate</td>
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<tr>
<td>104-76-7</td>
<td>2-Ethylhexan-1-ol</td>
<td>2.9</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>070704</td>
<td>WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors; hazardous waste</td>
<td></td>
</tr>
</tbody>
</table>

Waste disposal number of used product

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>070704</td>
<td>WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors; hazardous waste</td>
<td></td>
</tr>
</tbody>
</table>

Waste disposal number of contaminated packaging

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>150110</td>
<td>WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste</td>
<td></td>
</tr>
</tbody>
</table>

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 3295

14.2. UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C9 - C11, n-alkanes, iso-alkanes, cyclics, < 2 % aromates)

14.3. Transport hazard class(es): 3

14.4. Packing group: III

Hazard label: 3
**183 System Agent Concentrate MP18300200A**

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

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**Classification code:** F1  
**Limited quantity:** 5 L  
**Excepted quantity:** E1  
**Transport category:** 3  
**Hazard No:** 30  
**Tunnel restriction code:** D/E

**Inland waterways transport (ADN)**

**14.1. UN number:** UN 3295  
**14.2. UN proper shipping name:** HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C9 - C11, n-alkanes, iso-alkanes, cyclics, < 2 % aromates)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
**Hazard label:** 3  
**Limited quantity:** 5 L  
**Excepted quantity:** E1

**Marine transport (IMDG)**

**14.1. UN number:** UN 3295  
**14.2. UN proper shipping name:** HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C9 - C11, n-alkanes, iso-alkanes, cyclics, < 2 % aromates)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
**Hazard label:** 3  
**Marine pollutant:** no  
**Special Provisions:** 223  
**Limited quantity:** 5 L  
**Excepted quantity:** E1  
**EmS:** F-E, S-D

**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number:** UN 3295  
**14.2. UN proper shipping name:** HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C9 - C11, n-alkanes, iso-alkanes, cyclics, < 2 % aromates)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
**Hazard label:** 3  
**Special Provisions:** A3 A324  
**Limited quantity** Passenger: 10 L  
**Passenger LQ:** Y344  
**Excepted quantity:** E1  
**IATA-packing instructions - Passenger:** 355  
**IATA-max. quantity - Passenger:** 60 L  
**IATA-packing instructions - Cargo:** 366  
**IATA-max. quantity - Cargo:** 220 L

**14.5. Environmental hazards**  
**ENVIRONMENTALLY HAZARDOUS:** no

**14.6. Special precautions for user**  
**Warning:** Combustible liquid.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**  
**not applicable**
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information
Restrictions on use (REACH, annex XVII):
Entry 28: Hydrocarbons, C9 - C11, n-alkanes, iso-alkanes, cyclics, < 2 % aromates
2010/75/EU (VOC): No information available.
2004/42/EC (VOC): No information available.

Additional information
Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)
Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]: Calculation method.

National regulatory information
Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).
Water contaminating class (D): 2 - clearly water contaminating

15.2. Chemical safety assessment
Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes
This data sheet contains changes from the previous version in section(s): 2,8,10,11.

Abbreviations and acronyms
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road )
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

Relevant H and EUH statements (number and full text)
H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
EUH044 Risk of explosion if heated under confinement.
EUH066 Repeated exposure may cause skin dryness or cracking.
Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)