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

1.1. Product identifier
Product name: Oil System Cleaner
Product code: W47244

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

1.2.1. Relevant identified uses
Use of the substance/mixture: Treatment for the cleaning of oil circuits.

1.2.2. Uses advised against
No additional information available

1.3. Details of the supplier of the safety data sheet
Wynn's Belgium
Industriepark-West 46
9100 Sint-Niklaas - Belgium
T +32 3 766 60 20 - F +32 3 778 16 56
msds@wynns.eu - www.wynns.com

1.4. Emergency telephone number
Emergency number: BIG: +32(0)14/58.45.45 (NL FR EN DE)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Asp. Tox. 1: H304
Aquatic Chronic 3: H412

Full text of H statements: see section 16

Adverse physicochemical, human health and environmental effects
No additional information available

2.2. Label elements

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

Hazard pictograms (CLP):

Signal word (CLP): Danger
Hazardous ingredients:
- Hydrocarbons, C10, aromatics, <1% naphthalene; distillates (Fischer-Tropsch), C8-26, branched and linear
Hazard statements (CLP):
- H304 - May be fatal if swallowed and enters airways.
- H412 - Harmful to aquatic life with long lasting effects.
EUH-statements:
- EUH066 - Repeated exposure may cause skin dryness or cracking.
Precautionary statements (CLP):
- P102 - Keep out of reach of children.
- P405 - Store locked up.
- P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor
- P331 - Do NOT induce vomiting.
- P273 - Avoid release to the environment.


Component
- aromatic hydrocarbons
- non-ionic surfactants

% by mass
- 5-15%
- <5%

2.3. Other hazards
No additional information available
SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>% w</th>
<th>Classification according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830</th>
</tr>
</thead>
<tbody>
<tr>
<td>distillates (Fischer-Tropsch), C8-26, branched and linear</td>
<td>(CAS-No.) 848301-67-7 (EC-No.) 481-740-5 (REACH-no) 01-0000020119-75</td>
<td>50 - 75</td>
<td>Asp. Tox. 1, H304</td>
</tr>
<tr>
<td>Hydrocarbons, C10, aromatics, &lt;1% naphthalene</td>
<td>(EC-No.) 918-811-1 (REACH-no) 01-2119463583-34</td>
<td>10 - 25</td>
<td>STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl)</td>
<td>(CAS-No.) 68603-38-3 (EC-No.) 271-653-9 (REACH-no) 01-2119951823-33</td>
<td>2,5 - 5</td>
<td>Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>Distillates (petroleum), solvent-dewaxed heavy paraffinic, Baseoil - unspecified substance with a Community workplace exposure limit</td>
<td>(CAS-No.) 64742-65-0 (EC-No.) 265-169-7 (EC Index-No.) 649-474-00-6 (REACH-no) 01-2119471299-27</td>
<td>1 - 2,5</td>
<td>Not classified</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>(CAS-No.) 91-20-3 (EC-No.) 202-049-5 (EC Index-No.) 601-052-00-2 (REACH-no) 01-2119561346-37</td>
<td>0,1 - 1</td>
<td>Acute Tox. 4 (Oral), H302 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410</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 general:

First-aid measures after inhalation:
If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

First-aid measures after skin contact:
After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact:
IF IN EYES: 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.

First-aid measures after ingestion:
Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor if you feel unwell. Ingestion of large quantities: immediately to hospital.

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

Symptoms/effects after ingestion:
Risk of aspiration pneumonia. May be fatal if swallowed and enters airways.

4.3. Indication of any immediate medical attention and special treatment needed
No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media:
Water spray. AFFF foam. ABC-powder.

5.2. Special hazards arising from the substance or mixture
Fire hazard:
Combustible liquid. Agitation can cause build up of electrostatic charge.

Explosion hazard:
Product is not explosive.

5.3. Advice for firefighters
Firefighting instructions:
Prevent fire fighting water from entering the environment.

Protection during firefighting:
Do not enter fire area without proper protective equipment, including respiratory protection.
**SECTION 6: Accidental release measures**

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

**General measures**
- Use special care to avoid static electric charges. No open flames. No smoking.

#### 6.1.1. For non-emergency personnel

**Protective equipment**
- Wear suitable gloves and eye/face protection. Protective clothing.

**Emergency procedures**
- Mark the danger area. Prevent flow to low areas. In confined space use self-contained breathing apparatus. Take off contaminated clothing.

#### 6.1.2. For emergency responders

**Protective equipment**
- Equip cleanup crew with proper protection.

### 6.2. Environmental precautions

- Prevent entry to sewers and public waters. Avoid release to the environment.

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

- **For containment**
  - Collect spillage. Contain leaking substance, pump over in suitable containers.

- **Methods for cleaning up**
  - Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Clean preferably with a detergent - Avoid the use of solvents.

### 6.4. Reference to other sections

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

**SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

**Precautions for safe handling**
- Ensure good ventilation of the work station. Meet the legal requirements. Repeated exposure may cause skin dryness or cracking. Presents no particular risk when handled in accordance with good occupational hygiene practice.

**Hygiene measures**
- Use good personal hygiene practices. IF ON SKIN: Gently wash with plenty of soap and water. Wash contaminated clothing before reuse.

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

**Technical measures**
- Does not require any specific or particular technical measures.

**Storage conditions**
- Protect from sunlight. Store in a well-ventilated place. Meet the legal requirements.

**Storage area**
- Meet the legal requirements. Ventilation along the floor.

**Special rules on packaging**
- Store in a closed container. Labelling according to.

### 7.3. Specific end use(s)

Read label before use. Observe the label precautions.

**SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

**Hydrocarbons, C10, aromatics, <1% naphthalene**
- Belgium Limit value (mg/m³) 200 mg/m³

**Distillates (petroleum), solvent-dewaxed heavy paraffinic, Baseoil - unspecified (64742-65-0)**
- EU IOELV TWA (mg/m³) 5 mg/m³
- Italy - Portugal - USA ACGIH TWA (mg/m³) 5 mg/m³

**Naphthalene (91-20-3)**
- EU IOELV TWA (mg/m³) 50 mg/m³
- EU IOELV TWA (ppm) 10 ppm
- Belgium Limit value (mg/m³) 53 mg/m³
- Belgium Limit value (ppm) 10 ppm
- Belgium Short time value (mg/m³) 80 mg/m³
- Belgium Short time value (ppm) 15 ppm
- Belgium Remark (BE) D
- Hungary AK-érték 50 mg/m³

**distillates (Fischer-Tropsch), C8-26, branched and linear (848301-67-7)**
- PNEC (Sediment) PNEC sediment (freshwater) 2,06 mg/kg dwt

18/12/2018 EN (English) 3/8
distillates (Fischer-Tropsch), C8-26, branched and linear (848301-67-7)
PNEC (Soil)
PNEC soil 1,68 mg/kg dwt
PNEC (STP)
PNEC sewage treatment plant 10 mg/l

Hydrocarbons, C10, aromatics, <1% naphthalene
DNEL/DMEL (Workers)
Long-term - systemic effects, dermal 12,5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation 151 mg/m³
DNEL/DMEL (General population)
Long-term - systemic effects,oral 7,5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation 32 mg/m³
Long-term - systemic effects, dermal 7,5 mg/kg bodyweight/day

Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl) (68603-38-3)
DNEL/DMEL (Workers)
Long-term - systemic effects, dermal 4,16 mg/kg bodyweight/day
Long-term - systemic effects, inhalation 73,44 mg/m³
DNEL/DMEL (General population)
Long-term - systemic effects,oral 6,25 mg/kg bodyweight/day
Long-term - systemic effects, inhalation 21,73 mg/m³
Long-term - systemic effects, dermal 2,5 mg/kg bodyweight/day
PNEC (STP)
PNEC sewage treatment plant 0,83 mg/l

Distillates (petroleum), solvent-dewaxed heavy paraffinic, Baseoil - unspecified (64742-65-0)
PNEC (Oral)
PNEC oral (secondary poisoning) 9,33 mg/kg food

2,2'-iminodiethanol (111-42-2)
DNEL/DMEL (Workers)
Long-term - systemic effects, dermal 0,13 mg/kg bodyweight/day
Long-term - local effects, inhalation 1 mg/m³
DNEL/DMEL (General population)
Long-term - systemic effects,oral 0,06 mg/kg bodyweight/day
Long-term - systemic effects, dermal 0,07 mg/kg bodyweight/day
Long-term - local effects, inhalation 0,25 mg/m³
PNEC (Water)
PNEC aqua (freshwater) 0,0156 mg/l
PNEC aqua (marine water) 0,00156 mg/l
PNEC aqua (intermittent, freshwater) 0,097 mg/l
PNEC (Sediment)
PNEC sediment (freshwater) 0,0718 mg/kg dwt
PNEC sediment (marine water) 0,00718 mg/kg dwt
PNEC (Soil)
PNEC soil 0,00518 mg/kg dwt
PNEC (Oral)
PNEC oral (secondary poisoning) 1,04 mg/kg food
PNEC (STP)
PNEC sewage treatment plant 100 mg/l

Naphthalene (91-20-3)
DNEL/DMEL (Workers)
Long-term - systemic effects, dermal 3,57 mg/kg bodyweight/day
Long-term - systemic effects, inhalation 25 mg/m³
Long-term - local effects, inhalation 25 mg/m³
PNEC (STP)
PNEC sewage treatment plant 2,9 mg/l
8.2. Exposure controls

Appropriate engineering controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Does not require any specific or particular technical measures.

Personal protective equipment: Gloves. Safety glasses.

Hand protection: Neoprene. Nitrile rubber. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Time of penetration is to be checked with the glove producer.

Other information: Breakthrough time: >30'. Thickness of the glove material >0,1 mm.

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>clear.</td>
</tr>
<tr>
<td>Colour</td>
<td>Yellow.</td>
</tr>
<tr>
<td>Odour</td>
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<td>Odour threshold</td>
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<tr>
<td>pH</td>
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</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
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</tr>
<tr>
<td>Refraction index</td>
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<tr>
<td>Melting point</td>
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<tr>
<td>Freezing point</td>
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<tr>
<td>Boiling point</td>
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</tr>
<tr>
<td>Flash point</td>
<td>72 °C</td>
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<tr>
<td>Auto-ignition temperature</td>
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</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Density @20°C</td>
<td>826 kg/m³</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Kow</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic @40°C</td>
<td>3,6 mm²/s</td>
</tr>
<tr>
<td>Viscosity, dynamic @40°C</td>
<td>No data available</td>
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<tr>
<td>Viscosity Index</td>
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</tr>
<tr>
<td>Explosive properties</td>
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</tr>
<tr>
<td>Oxidising properties</td>
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</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2. Other information

VOC content: 71,6 %

Other properties: Dimethylsulfoxide (DMSO) <3%.

Additional information: The physical and chemical data in this section are typical values for this product and are not intended as product specifications.

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available
10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No additional information available

10.4. Conditions to avoid
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from strong acids and strong oxidizers.

10.5. Incompatible materials
No additional information available

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity: Harmful: may cause lung damage if swallowed

**distillates (Fischer-Tropsch), C8-26, branched and linear (848301-67-7)**
- LD50 oral rat: > 5000 mg/kg bodyweight Sprague-Dawley
- LD50 dermal rat: > 2000 mg/kg bodyweight Sprague-Dawley

**Hydrocarbons, C10, aromatics, <1% naphthalene**
- LD50 oral rat: 6318 mg/kg bodyweight Cri:CDBR
- LD50 dermal rat: > 2000 mg/kg bodyweight New Zealand White
- LC50 inhalation rat (mg/l): > 4,688 mg/l/4h Sprague-Dawley
- ATE CLP (oral): 6318 mg/kg bodyweight

**Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl) (68603-38-3)**
- LD50 oral rat: > 3000 mg/kg bodyweight

**Distillates (petroleum), solvent-dewaxed heavy paraffinic, Baseoil - unspecified (64742-65-0)**
- LD50 oral rat: > 5000 mg/kg bodyweight Sprague-Dawley
- LD50 dermal rat: > 2000 mg/kg bodyweight New Zealand White
- LC50 inhalation rat (mg/l): > 5,53 mg/l/4h Sprague-Dawley

**Naphthalene (91-20-3)**
- LD50 oral rat: > 2000 mg/kg bodyweight Sprague-Dawley
- LD50 dermal rat: > 2500 mg/kg bodyweight Sherman
- ATE CLP (oral): 500 mg/kg bodyweight

Skin corrosion/irritation: Not classified
Serious eye damage/irritation: Not classified
Respiratory or skin sensitisation: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
STOT-single exposure: Not classified
STOT-repeated exposure: Not classified
Aspiration hazard: May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general: This product contains hazardous components for the aquatic environment.
Ecology - water: Harmful to aquatic life with long lasting effects.

**distillates (Fischer-Tropsch), C8-26, branched and linear (848301-67-7)**
- LC50 fish 1: > 1000 mg/l @96h Pimephales promelas
- EC50 Daphnia 1: > 1000 mg/l @48h Daphnia magna
- EC50 other aquatic organisms 1: > 1000 mg/l @72h Pseudokirchneriella subcapitata
- NOEC (acute): > 1000 mg/l @48h Daphnia magna
### Hydrocarbons, C10, aromatics, <1% naphthalene

<table>
<thead>
<tr>
<th>Test</th>
<th>Endpoint</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>96h</td>
<td>2 - 5 mg/l Oncorhynchus mykiss</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td></td>
<td>48h 10 mg/l Daphnia magna</td>
</tr>
<tr>
<td>EC50 other aquatic organisms 1</td>
<td></td>
<td>72h 1 - 3 mg/l Pseudokirchneriella subcapitata</td>
</tr>
</tbody>
</table>

### Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl) (68603-38-3)

<table>
<thead>
<tr>
<th>Test</th>
<th>Endpoint</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>96h</td>
<td>1,2 mg/l Oncorhynchus mykiss</td>
</tr>
<tr>
<td>NOEC (acute)</td>
<td></td>
<td>72h 2 mg/l Desmodesmus subspicatus</td>
</tr>
<tr>
<td>NOEC (chronic)</td>
<td></td>
<td>&gt; 0,01 (≤ 0,1) mg/l @21d Daphnia magna</td>
</tr>
</tbody>
</table>

### Distillates (petroleum), solvent-dewaxed heavy paraffinic, Baseoil - unspecified (64742-65-0)

<table>
<thead>
<tr>
<th>Test</th>
<th>Endpoint</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>&gt; 100 mg/l @96h Pimephales promelas</td>
<td></td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>&gt; 10000 mg/l @48h Daphnia magna</td>
<td></td>
</tr>
<tr>
<td>EC50 other aquatic organisms 1</td>
<td>&lt;= 100 mg/l @72h Pseudokirchneriella subcapitata</td>
<td></td>
</tr>
</tbody>
</table>

### Naphthalene (91-20-3)

<table>
<thead>
<tr>
<th>Test</th>
<th>Endpoint</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>96h</td>
<td>1,6 mg/l Oncorhynchus mykiss</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td></td>
<td>48h 2,16 mg/l Daphnia magna</td>
</tr>
</tbody>
</table>

#### 12.2. Persistence and degradability

**Distillates (Fischer-Tropsch), C8-26, branched and linear (848301-67-7)**

Persistence and degradability: Readily biodegradable.

**Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl) (68603-38-3)**

Persistence and degradability: Biodegradable.

#### 12.3. Bioaccumulative potential

**Distillates (Fischer-Tropsch), C8-26, branched and linear (848301-67-7)**

Log Pow > 6,5 @40°C

#### 12.4. Mobility in soil

No additional information available

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

No additional information available

#### 12.6. Other adverse effects

No additional information available

---

**SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

#### Product/Packaging disposal recommendations

Dispose in a safe manner in accordance with local/national regulations. Remove to an authorized waste treatment plant. Avoid release to the environment.

#### European List of Waste (LoW) code

- 18 01 06*: chemicals consisting of or containing dangerous substances
- 15 01 10*: packaging containing residues of or contaminated by dangerous substances

---

**SECTION 14: Transport information**

### 14.1. UN number

Not regulated for transport

### 14.2. UN proper shipping name

Not applicable

### 14.3. Transport hazard class(es)

Not applicable

### 14.4. Packing group

Not applicable

### 14.5. Environmental hazards

Other information: No supplementary information available.
Oil System Cleaner  
Safety Data Sheet  
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

14.6. Special precautions for user
14.6.1. Overland transport
No additional information available

14.6.2. Transport by sea
No additional information available

14.6.3. Air transport
No additional information available

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations
Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances
VOC content : 71,6 %

15.1.2. National regulations
Water hazard class (WGK) : 2 - Significantly hazardous to water

15.2. Chemical safety assessment
No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:
Acute Tox. 4 (Oral) Acute toxicity (oral), Category 4
Aquatic Acute 1 Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1 Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2 Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3 Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1 Aspiration hazard, Category 1
Carc. 2 Carcinogenicity, Category 2
Eye Irrit. 2 Serious eye damage/eye irritation, Category 2
Skin Irrit. 2 Skin corrosion/irritation, Category 2
STOT SE 3 Specific target organ toxicity — Single exposure, Category 3, Narcosis
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
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.
EUH066 Repeated exposure may cause skin dryness or cracking.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.