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

1.1 Product identifier:
   Product name : Surface Cleaner
   Product type REACH : Mixture

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

1.2.1 Relevant identified uses
   Detergent according to Regulation (EC) No 648/2004

1.2.2 Uses advised against
   No uses advised against known

1.3 Details of the supplier of the safety data sheet:

   Supplier of the safety data sheet
   SOUDAL N.V.
   Everdongenlaan 18-20
   B-2300 Turnhout
   +32 14 42 42 31
   +32 14 42 65 14
   msds@soudal.com

   Manufacturer of the product
   SOUDAL N.V.
   Everdongenlaan 18-20
   B-2300 Turnhout
   +32 14 42 42 31
   +32 14 42 65 14
   msds@soudal.com

1.4 Emergency telephone number:
   24h/24h (Telephone advice: English, French, German, Dutch):
   +32 14 58 45 45 (BIG)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

2.1.1 Classification according to Regulation EC No 1272/2008
   Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

<table>
<thead>
<tr>
<th>Class</th>
<th>Category</th>
<th>Hazard statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flam. Liq.</td>
<td>category 2</td>
<td>H225: Highly flammable liquid and vapour.</td>
</tr>
<tr>
<td>Asp. Tox.</td>
<td>category 1</td>
<td>H304: May be fatal if swallowed and enters airways.</td>
</tr>
<tr>
<td>STOT SE</td>
<td>category 3</td>
<td>H336: May cause drowsiness or dizziness.</td>
</tr>
<tr>
<td>Aquatic Chronic</td>
<td>category 2</td>
<td>H411: Toxic to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>

2.1.2 Classification according to Directive 67/548/EEC-1999/45/EC
   Classified as dangerous in accordance with the criteria of Directives 67/548/EEC and 1999/45/EC
   F; R11 - Highly flammable.
   Xn; R65 - Harmful: may cause lung damage if swallowed.
   R66 - Repeated exposure may cause skin dryness or cracking.
   R67 - Vapours may cause drowsiness and dizziness.
   N; R51-53 - Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

2.2 Label elements:
   Labelling according to Regulation EC No 1272/2008 (CLP)
   Classification and labelling according to the criteria of Regulation (EC) No 487/2013, 4th adaptation of Regulation (EC) No 1272/2008 and after evaluation of available test data

Created by: Brandweerinformatiecentrum voor gevaarlijke stoffen vzw (BIG)
Technische Schoolstraat 43 A, B-2440 Geel
http://www.big.be
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Reason for revision: 2.2
Revision number: 0101

SAFETY DATA SHEET
Surface Cleaner

Contains hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics.

Signal word: Danger

H-statements:
- H225: Highly flammable liquid and vapour.
- H304: May be fatal if swallowed and enters airways.
- H336: May cause drowsiness or dizziness.
- H411: Toxic to aquatic life with long lasting effects.

P-statements:
- P101: If medical advice is needed, have product container or label at hand.
- P102: Keep out of reach of children.
- P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P280: Wear protective gloves and eye protection/face protection.
- P312: Call a POISON CENTER/doctor if you feel unwell.
- P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- P501: Dispose of contents/container in accordance with local/regional/national/international regulation.

Supplemental information:
- EUH066: Repeated exposure may cause skin dryness or cracking.


Labels:
- Highly flammable
- Harmful
- Dangerous for the environment

Contains: hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics.

R-phrases:
- 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- 65: Harmful: may cause lung damage if swallowed
- 66: Repeated exposure may cause skin dryness or cracking
- 67: Vapours may cause drowsiness and dizziness

S-phrases:
- (02): (Keep out of the reach of children)
- 61: Avoid release to the environment. Refer to special instructions/safety data sheets.
- (62): (If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label)

2.3 Other hazards:

CLP:
- May build up electrostatic charges: risk of ignition
- May be ignited by sparks
- Gas/vapour spreads at floor level: ignition hazard
- Slightly irritant to respiratory organs
- Slightly irritant to eyes
- Caution! Substance is absorbed through the skin

DSD/DPD:
- May build up electrostatic charges: risk of ignition
- May be ignited by sparks
- Gas/vapour spreads at floor level: ignition hazard
- Slightly irritant to respiratory organs
- Slightly irritant to eyes
- Caution! Substance is absorbed through the skin

SECTION 3: Composition/information on ingredients

Reason for revision: 2.2
Publication date: 2001-11-20
Date of revision: 2013-10-24
Revision number: 0101
Product number: 33231
### Surface Cleaner

#### 3.1 Substances:
Not applicable

#### 3.2 Mixtures:

<table>
<thead>
<tr>
<th>Name (REACH Registration No)</th>
<th>CAS No</th>
<th>Conc. (C)</th>
<th>Classification according to DSD/DPD</th>
<th>Classification according to CLP</th>
<th>Note</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics – (01-2119473851-33)</td>
<td></td>
<td>C&gt;25 %</td>
<td>F; R11</td>
<td>Flam. Liq. 2; H225</td>
<td>(1)(10)</td>
<td>Constituent</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Xn; R65</td>
<td>Asp. Tox. 1; H304</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>R66</td>
<td>STOT SE 3; H336</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>R67</td>
<td>Aquatic Chronic 2; H411</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>N; R51-53</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Flam. Liq. 2; H225</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Irrit. 2; H319</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3; H336</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(1) For R-phrases and H-statements in full: see heading 16
(2) Substance with a Community workplace exposure limit
(10) Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006

---

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures:

**General:**

**After inhalation:**
Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

**After skin contact:**
Wash with water and soap. Take victim to a doctor if irritation persists.

**After eye contact:**
Rinse with water. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists.

**After ingestion:**
Rinse mouth with water. Do not induce vomiting. Consult a doctor/medical service if you feel unwell.

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

**4.2.1 Acute symptoms**

**After inhalation:**

**After skin contact:**
ON CONTINUOUS EXPOSURE/CONTACT: Dry skin. Cracking of the skin.

**After eye contact:**
Redness of the eye tissue. Visual disturbances.

**After ingestion:**
Risk of aspiration pneumonia. Irritation of the gastric/intestinal mucosa. Symptoms similar to those listed under inhalation. **AFTER ABSORPTION OF HIGH QUANTITIES:** Enlargement/affection of the liver. Affection of the renal tissue.

**4.2.2 Delayed symptoms**
No effects known.

#### 4.3 Indication of any immediate medical attention and special treatment needed:
If applicable and available it will be listed below.

---

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media:

**5.1.1 Suitable extinguishing media:**
Polyvalent foam. BC powder. Carbon dioxide.

**5.1.2 Unsuitable extinguishing media:**
Solid water jet ineffective as extinguishing medium.

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

On burning: release of toxic and corrosive gases/vapours (nitrous vapours, carbon monoxide - carbon dioxide).

---

Reason for revision: 2.2
Publication date: 2001-11-20
Date of revision: 2013-10-24

Revision number: 0101
Product number: 33231
5.3 Advice for firefighters:
5.3.1 Instructions:
Dilute toxic gases with water spray. Take account of environmentally hazardous firefighting water. Use water moderately and if possible collect or contain it.
5.3.2 Special protective equipment for fire-fighters:

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:
Stop engines and no smoking. No naked flames or sparks. Spark- and explosionproof appliances and lighting equipment.
6.1.1 Protective equipment for non-emergency personnel
See heading 8.2
6.1.2 Protective equipment for emergency responders
Gloves. Protective clothing.
Suitable protective clothing
See heading 8.2
6.2 Environmental precautions:
Contain leaking substance. Dam up the liquid spill. Try to reduce evaporation. Prevent soil and water pollution. Prevent spreading in sewers. Use appropriate containment to avoid environmental contamination.
6.3 Methods and material for containment and cleaning up:
Take up liquid spill into a non combustible material e.g.: sand, earth, vermiculite. Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.
6.4 Reference to other sections:
See heading 13.

SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

7.1 Precautions for safe handling:
Insufficient ventilation: use spark-/explosionproof appliances and lighting system. Insufficient ventilation: keep naked flames/sparks away. Insufficient ventilation: take precautions against electrostatic charges. Gas/vapour heavier than air at 20°C. Observe normal hygiene standards. Keep container tightly closed. Remove contaminated clothing immediately. Do not discharge the waste into the drain.

7.2 Conditions for safe storage, including any incompatibilities:
7.2.1 Safe storage requirements:
Storage temperature: 3 - 25 °C. Store in a dry area. Store in a dark area. Keep container in a well-ventilated place. Fireproof storeroom. Meet the legal requirements. Max. storage time: 1 year(s).
7.2.2 Keep away from:
Heat sources, ignition sources, oxidizing agents, (strong) acids, (strong) bases.
7.2.3 Suitable packaging material:
Tin.
7.2.4 Non suitable packaging material:
No data available

7.3 Specific end use(s):
If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters:
8.1.1 Occupational exposure
a) Occupational exposure limit values
If limit values are applicable and available these will be listed below.

<table>
<thead>
<tr>
<th>Location</th>
<th>Substance</th>
<th>Short time value</th>
<th>Time-weighted average exposure limit 8 h</th>
<th>Private occupational exposure limit value</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Netherlands</td>
<td>Ethylacetaat</td>
<td>1100 mg/m³</td>
<td>550 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

Reason for revision: 2.2
Publication date: 2001-11-20
Date of revision: 2013-10-24
Revision number: 0101
Product number: 33231
Surface Cleaner

USA (TLV-ACGIH)
Ethyl acetate  
Time-weighted average exposure limit 8 h  
400 ppm  
1461 mg/m³  
TLV - Adopted Value

Germany
Ethylacetat  
Time-weighted average exposure limit 8 h  
400 ppm  
1500 mg/m³  
TRGS 900

France
Acétate d’éthyle  
Time-weighted average exposure limit 8 h  
400 ppm  
1400 mg/m³  
VL: Valeur non réglementaire indicative

UK
Ethyl acetate  
Short time value  
400 ppm  
Workplace exposure limit (EH40/2005)

Time-weighted average exposure limit 8 h  
200 ppm  
Workplace exposure limit (EH40/2005)

b) National biological limit values
If limit values are applicable and available these will be listed below.

8.1.2 Sampling methods

<table>
<thead>
<tr>
<th>Product name</th>
<th>Test</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl Acetate</td>
<td>NIOSH</td>
<td>1457</td>
</tr>
<tr>
<td>Ethyl Acetate</td>
<td>OSHA</td>
<td>7</td>
</tr>
<tr>
<td>Ethyl acetate (Volatile Organic compounds)</td>
<td>NIOSH</td>
<td>2549</td>
</tr>
</tbody>
</table>

8.1.3 Applicable limit values when using the substance or mixture as intended
If limit values are applicable and available these will be listed below.

8.1.4 DNEL/PNEC values

DNEL - Workers

<table>
<thead>
<tr>
<th>Effect level (DNEL/DMEL)</th>
<th>Type</th>
<th>DNEL</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNEL</td>
<td>Acute systemic effects inhalation</td>
<td>1468 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Acute local effects inhalation</td>
<td>1468 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Long-term systemic effects dermal</td>
<td>63 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Long-term systemic effects inhalation</td>
<td>734 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Long-term local effects inhalation</td>
<td>734 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

DNEL - General population

<table>
<thead>
<tr>
<th>Effect level (DNEL/DMEL)</th>
<th>Type</th>
<th>DNEL</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNEL</td>
<td>Acute systemic effects inhalation</td>
<td>734 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Acute local effects inhalation</td>
<td>734 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Long-term systemic effects dermal</td>
<td>37 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Long-term systemic effects inhalation</td>
<td>867 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Long-term systemic effects oral</td>
<td>4.5 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Long-term local effects inhalation</td>
<td>867 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

PNEC

<table>
<thead>
<tr>
<th>Compartment</th>
<th>Value</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fresh water</td>
<td>0.26 mg/l</td>
<td></td>
</tr>
<tr>
<td>Marine water</td>
<td>0.026 mg/l</td>
<td></td>
</tr>
<tr>
<td>Aqua (intermittent releases)</td>
<td>1.65 mg/l</td>
<td></td>
</tr>
<tr>
<td>STP</td>
<td>650 mg/l</td>
<td></td>
</tr>
<tr>
<td>Fresh water sediment</td>
<td>1.25 mg/kg sediment dw</td>
<td></td>
</tr>
<tr>
<td>Marine water sediment</td>
<td>0.125 mg/kg sediment dw</td>
<td></td>
</tr>
<tr>
<td>Soil</td>
<td>0.24 mg/kg soil dw</td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td>0.2 g/kg food</td>
<td></td>
</tr>
</tbody>
</table>

8.1.5 Control banding
If applicable and available it will be listed below.

8.2 Exposure controls:
The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

8.2.1 Appropriate engineering controls

Reason for revision: 2.2
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Date of revision: 2013-10-24

Revision number: 0101
Product number: 33231
Surface Cleaner

Insufficient ventilation: use spark-/explosionproof appliances and lighting system. Insufficient ventilation: keep naked flames/sparks away. Insufficient ventilation: take precautions against electrostatic charges. Measure the concentration in the air regularly. Work under local exhaust/ventilation.

8.2.2 Individual protection measures, such as personal protective equipment

Observe normal hygiene standards. Keep container tightly closed. Do not eat, drink or smoke during work.

a) Respiratory protection:
Wear gas mask with filter type A if conc. in air > exposure limit.

b) Hand protection:
Gloves.
- materials (good resistance)
PVC, rubber.

c) Eye protection:
Protective goggles.

d) Skin protection:
Protective clothing.

8.2.3 Environmental exposure controls:
See headings 6.2, 6.3 and 13

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

<table>
<thead>
<tr>
<th>Physical form</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odour</td>
<td>Characteristic odour</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>Colour</td>
<td>Colourless</td>
</tr>
<tr>
<td>Particle size</td>
<td>Not applicable (liquid)</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>0.6 - 12 vol %</td>
</tr>
<tr>
<td>Flammability</td>
<td>Highly flammable liquid and vapour.</td>
</tr>
<tr>
<td>Log Kow</td>
<td>Not applicable (mixture)</td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>77 - 138 °C</td>
</tr>
<tr>
<td>Flash point</td>
<td>3 °C</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>&lt; 1100 hPa ; 50 °C</td>
</tr>
<tr>
<td>Relative vapour density</td>
<td>3.0</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.75</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>220 °C</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No chemical group associated with explosive properties</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No chemical group associated with oxidising properties</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Physical hazards
Flammable liquid

9.2 Other information:

| Absolute density | 750 kg/m³ |

SECTION 10: Stability and reactivity

10.1 Reactivity:
May build up electrostatic charges: risk of ignition. May be ignited by sparks. Gas/vapour spreads at floor level: ignition hazard.

10.2 Chemical stability:
Stable under normal conditions.

10.3 Possibility of hazardous reactions:
Reacts violently with (strong) oxidizers and with (some) acids/bases.

Reason for revision: 2.2
Publication date: 2001-11-20
Date of revision: 2013-10-24
Revision number: 0101
Product number: 33231
10.4 Conditions to avoid:
Insufficient ventilation: use spark-/explosion-proof appliances and lighting system. Insufficient ventilation: keep naked flames/sparks away. Insufficient ventilation: take precautions against electrostatic charges.

10.5 Incompatible materials:
Oxidizing agents, (strong) acids, (strong) bases.

10.6 Hazardous decomposition products:
On burning: release of toxic and corrosive gases/vapours (nitrous vapours, carbon monoxide - carbon dioxide).

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

11.1.1 Test results

Acute toxicity

Surface Cleaner
No test data on the mixture available
hydrocarbons, C7-C9, n-alkanes, isoalkanes, cycles

<table>
<thead>
<tr>
<th>Route of exposure</th>
<th>Parameter</th>
<th>Method</th>
<th>Value</th>
<th>Exposure time</th>
<th>Species</th>
<th>Gender</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>LD50</td>
<td>Equivalent to OECD 401</td>
<td>&gt;5840 mg/kg bw</td>
<td>Rat</td>
<td>Male/female</td>
<td>Experimental value</td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>LD50</td>
<td>&gt;4 ml/kg bw</td>
<td>24 h</td>
<td>Rat</td>
<td>Male/female</td>
<td>Experimental value</td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>LD50</td>
<td>&gt;2920 ml/kg bw</td>
<td>24 h</td>
<td>Rat</td>
<td>Experimental value</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inhalation (vapours)</td>
<td>LC50</td>
<td>Equivalent to OECD 403</td>
<td>&gt;23.2 mg/l air</td>
<td>4 h</td>
<td>Rat</td>
<td>Male/female</td>
<td>Experimental value</td>
</tr>
<tr>
<td>ethyl acetate</td>
<td>Route of exposure</td>
<td>Parameter</td>
<td>Method</td>
<td>Value</td>
<td>Exposure time</td>
<td>Species</td>
<td>Gender</td>
</tr>
<tr>
<td>Oral</td>
<td>LD50</td>
<td>Equivalent to OECD 401</td>
<td>10200 mg/kg bw</td>
<td>Rat</td>
<td>Female</td>
<td>Experimental value</td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>LD50</td>
<td>&gt;20000 mg/kg bw</td>
<td>24 h</td>
<td>Rabbit</td>
<td>Male</td>
<td>Experimental value</td>
<td></td>
</tr>
<tr>
<td>Inhalation (vapours)</td>
<td>LC50</td>
<td>70.56 mg/l</td>
<td>4 h</td>
<td>Rat</td>
<td>Experimental value</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Judgement is based on the relevant ingredients

Conclusion
Not classified for acute toxicity

Corrosion/Irritation

Surface Cleaner
No test data on the mixture available
ethyl acetate

<table>
<thead>
<tr>
<th>Route of exposure</th>
<th>Result</th>
<th>Method</th>
<th>Exposure time</th>
<th>Time point</th>
<th>Species</th>
<th>Gender</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye</td>
<td>Irritating</td>
<td>OECD 405</td>
<td>24; 48; 72 hours</td>
<td>Rabbit</td>
<td>Experimental value</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eye</td>
<td>Not irritating</td>
<td>OECD 405</td>
<td>24; 48; 72 hours</td>
<td>Rabbit</td>
<td>Experimental value</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skin</td>
<td>Not irritating</td>
<td>Other</td>
<td>4 h</td>
<td>24; 72 hours</td>
<td>Rabbit</td>
<td>Experimental value</td>
<td></td>
</tr>
</tbody>
</table>

Judgement is based on the relevant ingredients

Conclusion
Not classified as irritating to the skin
Not classified as irritating to the eyes

Respiratory or skin sensitisation

Surface Cleaner
No test data on the mixture available
ethyl acetate

<table>
<thead>
<tr>
<th>Route of exposure</th>
<th>Result</th>
<th>Method</th>
<th>Exposure time</th>
<th>Observation time point</th>
<th>Species</th>
<th>Gender</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td>Not sensitizing</td>
<td>Equivalent to OECD 406</td>
<td>24 h</td>
<td>24; 48 hours</td>
<td>Guinea pig</td>
<td>Female</td>
<td>Experimental value</td>
</tr>
</tbody>
</table>

Judgement is based on the relevant ingredients

Conclusion
Reason for revision: 2.2
Publication date: 2001-11-20
Date of revision: 2013-10-24
Revision number: 0101
### Specific target organ toxicity

**Surface Cleaner**

No (test)data on the mixture available

<table>
<thead>
<tr>
<th>Route of exposure</th>
<th>Parameter</th>
<th>Method</th>
<th>Value</th>
<th>Organ</th>
<th>Effect</th>
<th>Exposure time</th>
<th>Species</th>
<th>Gender</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>NOAEL</td>
<td>US EPA</td>
<td>900 mg/kg bw/day</td>
<td>General</td>
<td>Clinical signs; mortality; body weight; food consumption</td>
<td>90-92 day(s)</td>
<td>Rat</td>
<td>Male/female</td>
<td>Experimental value</td>
</tr>
<tr>
<td>Inhalation</td>
<td>NOEC</td>
<td>EPA OTS 798.2450</td>
<td>350 ppm</td>
<td>General</td>
<td>Systemic toxicity</td>
<td>13 weeks (6h/day, 5 days/week)</td>
<td>Rat</td>
<td>Male/female</td>
<td>Experimental value</td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
<td></td>
<td>Central nervous system</td>
<td>Drowsiness, dizziness</td>
<td></td>
<td></td>
<td></td>
<td>Literature</td>
</tr>
</tbody>
</table>

Classification is based on the relevant ingredients

**Conclusion**

May cause drowsiness or dizziness.

### Mutagenicity (in vitro)

**Surface Cleaner**

No (test)data on the mixture available

<table>
<thead>
<tr>
<th>Result</th>
<th>Method</th>
<th>Test substrate</th>
<th>Effect</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Negative</td>
<td>OECD 473</td>
<td>Chinese hamster ovary (CHO) Chromosome aberrations</td>
<td>Experimental value</td>
<td></td>
</tr>
<tr>
<td>Negative</td>
<td>OECD 471</td>
<td>Bacteria (S.typhimurium)</td>
<td>Experimental value</td>
<td></td>
</tr>
</tbody>
</table>

### Mutagenicity (in vivo)

**Surface Cleaner**

No (test)data on the mixture available

<table>
<thead>
<tr>
<th>Result</th>
<th>Method</th>
<th>Exposure time</th>
<th>Test substrate</th>
<th>Gender</th>
<th>Organ</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Negative</td>
<td>Equivalent to OECD 474</td>
<td></td>
<td>Hamster</td>
<td>Male/female</td>
<td></td>
<td>Experimental value</td>
</tr>
<tr>
<td>Negative</td>
<td>Equivalent to OECD 474</td>
<td></td>
<td>Mouse</td>
<td>Male</td>
<td></td>
<td>Experimental value</td>
</tr>
</tbody>
</table>

### Carcinogenicity

**Surface Cleaner**

No (test)data on the mixture available

### Reproductive toxicity

**Surface Cleaner**

No (test)data on the mixture available

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Method</th>
<th>Value</th>
<th>Exposure time</th>
<th>Species</th>
<th>Gender</th>
<th>Effect</th>
<th>Organ</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Effects on fertility</td>
<td>NOAEL</td>
<td>Other</td>
<td>1500 ppm</td>
<td>13 weeks (6h/day, 5 days/week)</td>
<td>Rat</td>
<td>Male</td>
<td>Reduction in sperm motility</td>
<td>Testes</td>
</tr>
</tbody>
</table>

Judgement is based on the relevant ingredients

**Conclusion CMR**

Not classified for carcinogenicity
Not classified for mutagenic or genotoxic toxicity
Not classified for reprotoxic or developmental toxicity

### Aspiration hazard

Classification is based on the relevant ingredients

May be fatal if swallowed and enters airways.

### Toxicity other effects

Reason for revision: 2.2

Publication date: 2001-11-20
Date of revision: 2013-10-24

Revision number: 0101
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Surface Cleaner

No (test)data on the mixture available

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Method</th>
<th>Value</th>
<th>Organ</th>
<th>Effect</th>
<th>Exposure time</th>
<th>Species</th>
<th>Gender</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td></td>
<td></td>
<td></td>
<td>Skin dryness or cracking</td>
<td></td>
<td></td>
<td></td>
<td>Literature</td>
</tr>
</tbody>
</table>

Classification is based on the relevant ingredients

Conclusion
Repeated exposure may cause skin dryness or cracking.

Chronic effects from short and long-term exposure

Surface Cleaner
ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Dry skin. Skin rash/inflammation.

SECTION 12: Ecological information

12.1 Toxicity:

Surface Cleaner
No (test)data on the mixture available

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Method</th>
<th>Value</th>
<th>Duration</th>
<th>Species</th>
<th>Test design</th>
<th>Fresh/salt water</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity fishes</td>
<td>LC50 OECD 203</td>
<td>3 - 10 mg/l</td>
<td>96 h</td>
<td>Oncorhynchus mykiss</td>
<td>Semi-static</td>
<td>Fresh water</td>
<td>Experimental value</td>
</tr>
<tr>
<td>Acute toxicity invertebrates</td>
<td>EC50 OECD 202</td>
<td>4.6 - 10.0 mg/l</td>
<td>48 h</td>
<td>Daphnia magna</td>
<td></td>
<td>Fresh water</td>
<td>Experimental value</td>
</tr>
</tbody>
</table>

ethy1 acetate

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Method</th>
<th>Value</th>
<th>Duration</th>
<th>Species</th>
<th>Test design</th>
<th>Fresh/salt water</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity fishes</td>
<td>LC50 OECD 203</td>
<td>454.7 mg/l</td>
<td>96 h</td>
<td>Salmo gairdneri (Oncorhynchus mykiss)</td>
<td>Semi-static</td>
<td>Fresh water</td>
<td>Experimental value</td>
</tr>
<tr>
<td>Acute toxicity invertebrates</td>
<td>EC50 OECD 202</td>
<td>154 mg/l</td>
<td>48 h</td>
<td>Daphnia magna</td>
<td></td>
<td>Fresh water</td>
<td>Literature</td>
</tr>
<tr>
<td>Toxicity algae and other aquatic plants</td>
<td>EC50 DIN 38412-9</td>
<td>5600 mg/l</td>
<td>48 h</td>
<td>Scenedesmus subspicatus</td>
<td>Semi-static</td>
<td>Salt water</td>
<td>Experimental value; Growth rate</td>
</tr>
<tr>
<td>Long-term toxicity fish NOEC</td>
<td>ECOSAR v1.00</td>
<td>6.3 mg/l</td>
<td>12 day(s)</td>
<td>Pisces</td>
<td>Semi-static</td>
<td>Salt water</td>
<td>QSAR</td>
</tr>
<tr>
<td>Long-term toxicity aquatic invertebrates NOEC</td>
<td></td>
<td>2.4 mg/l</td>
<td>21 day(s)</td>
<td>Daphnia magna</td>
<td>Semi-static</td>
<td>Salt water</td>
<td>Experimental value</td>
</tr>
<tr>
<td>Toxicity aquatic microorganisms</td>
<td>EC50</td>
<td></td>
<td>5870 mg/l</td>
<td>15 minutes</td>
<td>Photobacterium phosphoreum</td>
<td>Static system</td>
<td>Salt water</td>
</tr>
</tbody>
</table>

Classification of the mixture is based on the relevant ingredients of the mixture

Conclusion
Toxic to aquatic organisms
Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability:

hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

Biodegradation water

<table>
<thead>
<tr>
<th>Method</th>
<th>Value</th>
<th>Duration</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>OECD 301F: Manometric Respirometry Test</td>
<td>98 %</td>
<td>28 day(s)</td>
<td>Read-across</td>
</tr>
</tbody>
</table>

ethy1 acetate

Biodegradation water

<table>
<thead>
<tr>
<th>Method</th>
<th>Value</th>
<th>Duration</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>OECD 301B: CO2 Evolution Test</td>
<td>93.9 %</td>
<td>28 day(s)</td>
<td>Experimental value</td>
</tr>
<tr>
<td>OECD 301D: Closed Bottle Test</td>
<td>100 %</td>
<td>28 day(s)</td>
<td>Experimental value</td>
</tr>
</tbody>
</table>

Phototransformation air (DT50 air)

<table>
<thead>
<tr>
<th>Method</th>
<th>Value</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Conc. OH-radicals</td>
<td>Calculated value</td>
</tr>
<tr>
<td></td>
<td>40 h</td>
<td>100000 /cm²</td>
</tr>
</tbody>
</table>

Reason for revision: 2.2

Publication date: 2001-11-20
Date of revision: 2013-10-24

Revision number: 0101
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Surface Cleaner

**Conclusion**
Contains readily biodegradable component(s)

### 12.3 Bioaccumulative potential:
**Surface Cleaner**

<table>
<thead>
<tr>
<th>Log Kow</th>
<th>Method</th>
<th>Remark</th>
<th>Value</th>
<th>Temperature</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics</td>
<td>Log Kow</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ethyl acetate</td>
<td>Log Kow</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>parameter</td>
<td>Method</td>
<td>Value</td>
<td>Temperature</td>
<td>Value determination</td>
<td></td>
</tr>
<tr>
<td>BCF</td>
<td>30</td>
<td>25 °C</td>
<td>Experimental value</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Conclusion**
No straightforward conclusion can be drawn based upon the available numerical values

### 12.4 Mobility in soil:
**ethyl acetate**

<table>
<thead>
<tr>
<th>Volatility</th>
<th>Value</th>
<th>Method</th>
<th>Temperature</th>
<th>Remark</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl acetate</td>
<td>1.000134 atm m³/mol</td>
<td></td>
<td>25 °C</td>
<td></td>
<td>Experimental value</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Percent distribution</th>
<th>Method</th>
<th>Fraction air</th>
<th>Fraction biota</th>
<th>Fraction sediment</th>
<th>Fraction soil</th>
<th>Fraction water</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mackay level III</td>
<td>51.3 %</td>
<td>0 %</td>
<td>0.27 %</td>
<td>13.3 %</td>
<td>35.3 %</td>
<td>Calculated value</td>
<td></td>
</tr>
</tbody>
</table>

**Conclusion**
No straightforward conclusion can be drawn based upon the available numerical values

### 12.5 Results of PBT and vPvB assessment:
Due to insufficient data no statement can be made whether the component(s) fulfil(s) the criteria of PBT and vPvB according to Annex XIII of Regulation (EC) No 1907/2006.

### 12.6 Other adverse effects:
**Surface Cleaner**

- **Global warming potential (GWP)**
  None of the known components is included in the list of substances which may contribute to the greenhouse effect (Regulation (EC) No 842/2006)

- **Ozone-depleting potential (ODP)**
  Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

**ethyl acetate**

- **Ground water**
  Ground water pollutant

### SECTION 13: Disposal considerations
The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

#### 13.1 Waste treatment methods:

##### 13.1.1 Provisions relating to waste
20 01 29* (detergents containing dangerous substances). Depending on branch of industry and production process, also other waste codes may be applicable. Hazardous waste according to Directive 2008/98/EC.

##### 13.1.2 Disposal methods

---

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Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber with energy recovery. Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Avoid discharge of large amounts into the sewer.

13.1.3 Packaging/Container

### SECTION 14: Transport information

#### Road (ADR)

<table>
<thead>
<tr>
<th>14.1 UN number:</th>
<th>1993</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2 UN proper shipping name:</td>
<td>Flammable liquid, n.o.s.</td>
</tr>
<tr>
<td>Proper shipping name</td>
<td></td>
</tr>
<tr>
<td>Techn./chem. name ADR</td>
<td>hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics</td>
</tr>
<tr>
<td>14.3 Transport hazard class(es):</td>
<td>33</td>
</tr>
<tr>
<td>Hazard identification number</td>
<td>3</td>
</tr>
<tr>
<td>Class</td>
<td>F1</td>
</tr>
<tr>
<td>Classification code</td>
<td></td>
</tr>
<tr>
<td>14.4 Packing group:</td>
<td>II</td>
</tr>
<tr>
<td>Packing group</td>
<td></td>
</tr>
<tr>
<td>Labels</td>
<td>3</td>
</tr>
<tr>
<td>14.5 Environmental hazards:</td>
<td></td>
</tr>
<tr>
<td>Environmentally hazardous substance mark</td>
<td>yes</td>
</tr>
<tr>
<td>14.6 Special precautions for user:</td>
<td></td>
</tr>
<tr>
<td>Special provisions</td>
<td>274</td>
</tr>
<tr>
<td>Special provisions</td>
<td>601</td>
</tr>
<tr>
<td>Special provisions</td>
<td>640D</td>
</tr>
<tr>
<td>Limited quantities</td>
<td>Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)</td>
</tr>
</tbody>
</table>

#### Rail (RID)

<table>
<thead>
<tr>
<th>14.1 UN number:</th>
<th>1993</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2 UN proper shipping name:</td>
<td>Flammable liquid, n.o.s.</td>
</tr>
<tr>
<td>Proper shipping name</td>
<td></td>
</tr>
<tr>
<td>Techn./chem. name RID</td>
<td>hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics</td>
</tr>
<tr>
<td>14.3 Transport hazard class(es):</td>
<td>33</td>
</tr>
<tr>
<td>Hazard identification number</td>
<td>3</td>
</tr>
<tr>
<td>Class</td>
<td>F1</td>
</tr>
<tr>
<td>Classification code</td>
<td></td>
</tr>
<tr>
<td>14.4 Packing group:</td>
<td>II</td>
</tr>
<tr>
<td>Packing group</td>
<td></td>
</tr>
<tr>
<td>Labels</td>
<td>3</td>
</tr>
<tr>
<td>14.5 Environmental hazards:</td>
<td></td>
</tr>
<tr>
<td>Environmentally hazardous substance mark</td>
<td>yes</td>
</tr>
<tr>
<td>14.6 Special precautions for user:</td>
<td></td>
</tr>
<tr>
<td>Special provisions</td>
<td>274</td>
</tr>
<tr>
<td>Special provisions</td>
<td>601</td>
</tr>
<tr>
<td>Special provisions</td>
<td>640D</td>
</tr>
<tr>
<td>Limited quantities</td>
<td>Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)</td>
</tr>
</tbody>
</table>

#### Inland waterways (ADN)

<table>
<thead>
<tr>
<th>14.1 UN number:</th>
<th>1993</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2 UN proper shipping name:</td>
<td>Flammable liquid, n.o.s.</td>
</tr>
<tr>
<td>Proper shipping name</td>
<td></td>
</tr>
<tr>
<td>Techn./chem. name ADN</td>
<td>hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics</td>
</tr>
<tr>
<td>14.3 Transport hazard class(es):</td>
<td>3</td>
</tr>
<tr>
<td>Class</td>
<td>F1</td>
</tr>
<tr>
<td>Classification code</td>
<td></td>
</tr>
</tbody>
</table>

Reason for revision: 2.2
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### Surface Cleaner

14.4 Packing group:

<table>
<thead>
<tr>
<th>Packing group</th>
<th>II</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labels</td>
<td>3</td>
</tr>
</tbody>
</table>

14.5 Environmental hazards:

- Environmentally hazardous substance mark: yes

14.6 Special precautions for user:

- Special provisions: 274
- Special provisions: 601
- Special provisions: 640D
- Limited quantities: Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg (gross mass)

### Sea (IMDG/IMSBC)

14.1 UN number:

- UN number: 1993

14.2 UN proper shipping name:

- Proper shipping name: Flammable liquid, n.o.s.
- Techn./chem. name IMO: Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

14.3 Transport hazard class(es):

- Class: 3

14.4 Packing group:

- Packing group: II
- Labels: 3

14.5 Environmental hazards:

- Marine pollutant: P
- Environmentally hazardous substance mark: yes

14.6 Special precautions for user:

- Special provisions: 274
- Limited quantities: Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg (gross mass)

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

- Annex II of MARPOL 73/78: Not applicable, based on available data

### Air (ICAO-TI/IATA-DGR)

14.1 UN number:

- UN number: 1993

14.2 UN proper shipping name:

- Proper shipping name: Flammable liquid, n.o.s.
- Techn./chem. name ICAO: Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

14.3 Transport hazard class(es):

- Class: 3

14.4 Packing group:

- Packing group: II
- Labels: 3

14.5 Environmental hazards:

- Environmentally hazardous substance mark: yes

14.6 Special precautions for user:

- Special provisions: A3
- Passenger and cargo transport: limited quantities: maximum net quantity per packaging: 1 L

### SECTION 15: Regulatory information

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

**European legislation:**

REACH Annex XVII - Restriction


<table>
<thead>
<tr>
<th>Designation of the substance, of the group of substances or of the mixture</th>
<th>Conditions of restriction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics, ethyl acetate</td>
<td>Shall not be used:</td>
</tr>
<tr>
<td></td>
<td>- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,</td>
</tr>
<tr>
<td></td>
<td>- tricks and jokes,</td>
</tr>
<tr>
<td></td>
<td>- games for one or more participants, or any article intended to be used as such, even with</td>
</tr>
</tbody>
</table>

Reason for revision: 2.2

Publication date: 2001-11-20
Date of revision: 2013-10-24

Revision number: 0101

Product number: 33231

12 / 14
Surface Cleaner

**Inhalation**
- MAK 8-Stunden-Mittelwert: Schwangerschaft Gruppe C
- TA-Luft: Klasse 5.2.5
- ethyl acetate: WGK 2; Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4). It shall not be used as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following: metallic glitter intended mainly for decoration, artificial snow and frost, "whoopie" cushions, silly string aerosols, "whoopee" cushions, stink bombs. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly as follows: "Just a sip of grill lighter may lead to life threatening lung damage;" and, by 1 December 2010, "Keep lamps filled with this liquid out of the reach of children"; and, by 1 December 2010, "Just a sip of lamp oil — or even sucking the wick of lamps — may lead to life-threatening lung damage"; c) lamp oils and grill lighter fluids, labelled with R65 or H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: "Just a sip of grill lighter may lead to life threatening lung damage;" c) lamp oils and grill lighter fluids, labelled with R65 or H304, intended for supply to the general public are legibly and indelibly marked according to Paragraph 2 of Regulation (EC) No 1272/2008:
- a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2, 3, 10, 12, 13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F;
- b) hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10;
- c) hazard class 4.1;
- d) hazard class 5.1.

**Volatile organic compounds (VOC)**
See column 1: 40.

**Ingredients according to Regulation (EC) No 648/2004 and amendments**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethyl acetate</td>
<td>100%</td>
</tr>
<tr>
<td>hydrocarbons, C7-C9, n-alkanes, cyclics</td>
<td>30% aliphatic hydrocarbons</td>
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</tbody>
</table>

**National legislation The Netherlands**

<table>
<thead>
<tr>
<th>Legislation</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waste identification (the Netherlands)</td>
<td>LWCA (the Netherlands): KGA category 03</td>
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<tr>
<td>Waterbezaaikelijkheid</td>
<td>6</td>
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</table>

**National legislation Germany**

<table>
<thead>
<tr>
<th>Legislation</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGK</td>
<td>2; Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4)</td>
</tr>
<tr>
<td>TA-Luft</td>
<td>TA-Luft Klasse 5.2.5</td>
</tr>
<tr>
<td>Schwangerschaft Gruppe</td>
<td>C</td>
</tr>
<tr>
<td>MAK 8-Stunden-Mittelwert</td>
<td>Ethylacetat; 400 ppm</td>
</tr>
<tr>
<td>MAK 8-Stunden-Mittelwert</td>
<td>Ethylacetat; 1500 mg/m³</td>
</tr>
</tbody>
</table>

**Reason for revision:** 2.2

**Publication date:** 2001-11-20

**Date of revision:** 2013-10-24

**Revision number:** 0101

**Product number:** 33231
Surface Cleaner

No data available

15.2 Chemical safety assessment:
No chemical safety assessment is required.

SECTION 16: Other information

Information based on classification according to CLP

Full text of any R-phrases referred to under headings 2 and 3:
R36 Irritating to eyes
R51 Toxic to aquatic organisms
R53 May cause long-term adverse effects in the aquatic environment
R65 Harmful, may cause lung damage if swallowed
R66 Repeated exposure may cause skin dryness or cracking
R67 Vapours may cause drowsiness and dizziness

Full text of any H-statements referred to under headings 2 and 3:
H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

(*) = INTERNAL CLASSIFICATION BY BIG
PBT-substances = persistent, bioaccumulative and toxic substances
DSD Dangerous Substance Directive
DPD Dangerous Preparation Directive
CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)

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