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

1.1. Product identifier
Meliseptol rapid
UFI: 9M7V-U7DT-M009-4GKW

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture
Fast acting alcoholic disinfectant for small surfaces / for medical devices

1.3. Details of the supplier of the safety data sheet
Manufacturer
Company name: B. Braun Medical AG
Street: Seesatz 17
Place: CH-6204 Sempach
Responsible Department: Zentrale
Telephone: +41 (0) 58 / 258 50 00
E-Mail: info.bbmch@bbraun.com
Responsible for the safety data sheet: sds@gbk-ingelheim.de

Supplier
Company name: B. Braun Melsungen AG
Street: Carl-Braun-Straße 1
Place: D-34212 Melsungen
Responsible Department: Zentrale Service-Bereiche / Logistik und Supply Chain
Telephone: +49 (0) 5661 / 71-4422
E-Mail: logistics.service@bbraun.com

1.4. Emergency telephone number:
INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)
In England and Wales: NHS 111 In Scotland: NHS 24 - dial 111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Regulation (EC) No. 1272/2008
Hazard categories:
Flammable liquid: Flam. Liq. 3
Serious eye damage/eye irritation: Eye Dam. 1
Specific target organ toxicity - single exposure: STOT SE 3
Hazard Statements:
Flammable liquid and vapour.
Causes serious eye damage.
May cause drowsiness or dizziness.

2.2. Label elements
Regulation (EC) No. 1272/2008
Hazard components for labelling
n-Propanol
Signal word: Danger

Pictograms:

Hazard statements
H226 Flammable liquid and vapour.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.
Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing vapour.
P280 Wear eye protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P501 Dispose of contents/container to an approved waste disposal plant.

Labelling of packages

Signal word: Danger

Pictograms:

Hazard statements
H318

Precautionary statements
P280-P305+P351+P338-P310

2.3. Other hazards
According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT substance.
Vapours may form explosive mixture with air.

SECTION 3: Composition/information on ingredients

3.2. Mixtures
Chemical characterization
Alcoholic solution

Hazardous components

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>71-23-8</td>
<td>n-Propanol</td>
<td>50 %</td>
</tr>
<tr>
<td>200-746-9</td>
<td>Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides</td>
<td>&lt; 1 %</td>
</tr>
<tr>
<td>308062-28-4</td>
<td>Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 2; H302 H314 H400 H411</td>
<td>&lt; 0.25 %</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
Data of item 4 do partly not refer to the use and the regular employing of the product (in this sense consult package leaflet and expert information), but to liberation of major amounts in case of accidents and irregularities.
Remove contaminated soaked clothing immediately.
If you feel unwell, seek medical advice.

**After inhalation**
Move to fresh air in case of accidental inhalation of vapours.
In the event of symptoms refer for medical treatment.

**After contact with skin**
Wash off with soap and plenty of water.
Consult a doctor if skin irritation persists.

**After contact with eyes**
Rinse thoroughly with plenty of water, also under the eyelids.
Seek medical treatment by eye specialist.

**After ingestion**
Wash off with soap and plenty of water.
Consult a doctor if skin irritation persists.

### 4.2. Most important symptoms and effects, both acute and delayed
- Causes serious eye damage.
- May cause drowsiness or dizziness.

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

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media**
- Alcohol-resistant foam, dry chemical, carbon dioxide (CO2), water-spray.

**Unsuitable extinguishing media**
- Full water jet

#### 5.2. Special hazards arising from the substance or mixture
Fire may produce:
- carbon monoxide (CO), carbon dioxide (CO2) and nitrogen oxides (NOx)
- Chlorine compounds.

#### 5.3. Advice for firefighters
- Use breathing apparatus with independent air supply.
- Protective suit.

**Additional information**
- Cool containers at risk with water spray jet.
- Keep away from sources of ignition - No smoking.
- Vapours are heavier than air and spread along ground.
- The vapour/air mixture is explosive, even in empty, uncleaned receptacles.
- Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures
In case of vapour formation use respirator.
Ensure adequate ventilation.
Use personal protective clothing.
Keep away sources of ignition.

#### 6.2. Environmental precautions
- Do not discharge into the drains/surface waters/ground water.

#### 6.3. Methods and material for containment and cleaning up
- Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).
- Shovel into suitable container for disposal.
6.4. Reference to other sections
   Observe protective instructions (see Sections 7 and 8).
   Information for disposal see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

   Advice on safe handling
   Ensure adequate ventilation.
   When using do not eat, drink or smoke.
   Avoid contact with eyes, skin or mucous membrane.

   Advice on protection against fire and explosion
   Keep product and empty container away from heat and sources of ignition.
   Do not smoke.
   Take precautionary measures against static discharges.

7.2. Conditions for safe storage, including any incompatibilities

   Requirements for storage rooms and vessels
   Keep container tightly closed in a dry, cool and well-ventilated place.
   Pay attention to anti-explosion rules.

   Hints on joint storage
   Incompatible with:
   Oxidizing agents
   Alkaline metals and earth alkaline metals.

   Further information on storage conditions
   Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)
   Fast acting alcoholic disinfectant for small surfaces / for medical devices

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>71-23-8</td>
<td>Propan-1-ol</td>
<td>200</td>
<td>500</td>
<td></td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>250</td>
<td>625</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>71-23-8</td>
<td>n-Propanol</td>
<td>Worker DNEL, long-term</td>
<td>dermal</td>
<td>systemic</td>
<td>136 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
<td>268 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worker DNEL, acute</td>
<td>inhalation</td>
<td>systemic</td>
<td>1723 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>dermal</td>
<td>systemic</td>
<td>81 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
<td>80 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, acute</td>
<td>inhalation</td>
<td>systemic</td>
<td>1036 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>oral</td>
<td>systemic</td>
<td>61 mg/kg bw/day</td>
</tr>
<tr>
<td>308062-28-4</td>
<td>Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides</td>
<td>Worker DNEL, long-term</td>
<td>dermal</td>
<td>systemic</td>
<td>11 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
<td>15,5 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>dermal</td>
<td>systemic</td>
<td>5,5 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
<td>3,8 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>oral</td>
<td>systemic</td>
<td>0,44 mg/kg bw/day</td>
</tr>
</tbody>
</table>

### PNEC values

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>Environmental compartment</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>71-23-8</td>
<td>n-Propanol</td>
<td>Freshwater</td>
<td>10 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marine water</td>
<td>1 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Freshwater sediment</td>
<td>22,8 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marine sediment</td>
<td>2,28 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Micro-organisms in sewage treatment plants (STP)</td>
<td>96 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Soil</td>
<td>2,2 mg/kg</td>
</tr>
<tr>
<td>308062-28-4</td>
<td>Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides</td>
<td>Freshwater</td>
<td>0,0335 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marine water</td>
<td>0,00335 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Freshwater sediment</td>
<td>5,24 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marine sediment</td>
<td>0,524 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Micro-organisms in sewage treatment plants (STP)</td>
<td>24 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Soil</td>
<td>1,02 mg/kg</td>
</tr>
</tbody>
</table>

### 8.2. Exposure controls

**Appropriate engineering controls**
- Ensure adequate ventilation, especially in confined areas.

**Protective and hygiene measures**
- Data of item 8 do partly not refer to the use and the regular employing of the product (in this sense consult package leaflet and expert information), but to liberation of major amounts in case of accidents and irregularities.
- Wash hands before breaks and at the end of workday.
- When using do not eat, drink or smoke.
- Remove and wash contaminated clothes before re-use.
- Do not breath vapours or spray mist.
- Avoid contact with eyes, skin or mucous membrane.
Eye/face protection
Safety goggles with side protection (EN 166).
Eye wash bottle with pure water (EN 15154).

Hand protection
Protective gloves resistant to chemicals made of nitrile, minimum coat thickness 0.4 mm, permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Camatril Velours 730> made by www.kcl.de.
This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.
Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Skin protection
Long sleeved clothing (DIN EN ISO 6530)

Respiratory protection
No personal respiratory protective equipment normally required.
In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A) (EN 14387).

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>Colour:</td>
<td>Colourless</td>
</tr>
<tr>
<td>Odour:</td>
<td>Alcoholic</td>
</tr>
</tbody>
</table>

pH-Value (at 20 °C): n.d.

Changes in the physical state
Melting point: - 127 °C *)
Initial boiling point and boiling range: 97 °C *)
Sublimation point: n.a.
Softening point: n.d.
Flash point: 31 °C DIN 51755
Sustaining combustion: Sustaining combustion

Flammability
Solid: n.a.
Gas: n.a.

Explosive properties
The product is considered non-explosive; nevertheless explosive vapour/air mixture can be generated.
Lower explosion limits: n.d.
Upper explosion limits: n.d.
Ignition temperature: 400 °C *)

Auto-ignition temperature
Solid: n.a.
Gas: n.a.
Decomposition temperature: n.d.

Oxidizing properties
Not oxidising.
Vapour pressure: 28,2 hPa *)
(at 20 °C)
Density (at 20 °C): 0,90 - 0,92 g/cm³
Bulk density: n.a.
**Water solubility:**
(at 20 °C)

**Miscible**

**Solubility in other solvents**

n.d.

**Partition coefficient:**

0.2 *)

**Viscosity / dynamic:**

n.d.

**Viscosity / kinematic:**

n.d.

**Flow time:**

n.d.

**Vapour density:**

n.d.

**Evaporation rate:**

n.d.

**Solvent separation test:**

n.d.

**Solvent content:**

50 %

### 9.2. Other information

*) n-Propanol

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No decomposition if stored and applied as directed.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

- Reactions with oxidizing agents.
- Reactions with alkali metals.
- Reactions with earth alkaline metals.

### 10.4. Conditions to avoid

- Vapour/air mixtures are explosive at intensive warming.
- Heating can release vapours which can be ignited.

### 10.5. Incompatible materials

- Oxidizing agents
- Alkaline metals and earth alkaline metals.

### 10.6. Hazardous decomposition products

- No hazardous decomposition products known.
- Fire may produce:
  - Carbon monoxide (CO), carbon dioxide (CO2) and nitrogen oxides (NOx)
  - Chlorine compounds

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Acute toxicity**

- Based on available data, the classification criteria are not met.
- No toxicological data available.
Meliseptol rapid
Revision date: 20.08.2020
Product code: 00056-0191
Page 8 of 13

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Exposure route</th>
<th>Dose</th>
<th>Species</th>
<th>Source</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>71-23-8</td>
<td>n-Propanol</td>
<td>oral</td>
<td>LD50</td>
<td>&gt; 8000</td>
<td>Rat</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>dermal</td>
<td>LD50</td>
<td>4032</td>
<td>Rabbit</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>inhalation (4 h)</td>
<td>LC50</td>
<td>&gt; 33,8</td>
<td>Rat</td>
<td>OECD 403</td>
</tr>
<tr>
<td>308062-28-4</td>
<td>Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides</td>
<td>oral</td>
<td>LD50</td>
<td>1064</td>
<td>Rat</td>
<td>OECD 401</td>
</tr>
<tr>
<td></td>
<td></td>
<td>dermal</td>
<td>LD50</td>
<td>&gt; 2000</td>
<td>Rat</td>
<td></td>
</tr>
<tr>
<td>7173-51-5</td>
<td>Didecyldimethylammonium chloride</td>
<td>oral</td>
<td>LD50</td>
<td>238</td>
<td>Rat</td>
<td>OECD 401</td>
</tr>
<tr>
<td></td>
<td></td>
<td>dermal</td>
<td>LD50</td>
<td>3342</td>
<td>Rabbit</td>
<td></td>
</tr>
</tbody>
</table>

**Irritation and corrosivity**
- Causes serious eye damage.
- Skin corrosion/irritation: Based on available data, the classification criteria are not met.

**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.

**STOT-single exposure**
- May cause drowsiness or dizziness. (n-Propanol)

**STOT-repeated exposure**
- Based on available data, the classification criteria are not met.

**Aspiration hazard**
- Based on available data, the classification criteria are not met.

**Additional information on tests**
- Classification in compliance with the assessment procedure specified in the Regulation (EC) no 1272/2008.

**Practical experience**

**Other observations**
- Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance. Swallowing renders reabsorption possible.
- Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.
- Inhalation of vapours in high concentration can cause narcotic effects.

**SECTION 12: Ecological information**

**12.1. Toxicity**
- Ecological data are not available.
### 12.2. Persistence and degradability

The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>BOD in % of theoretical OD</th>
<th>d</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>71-23-8</td>
<td>n-Propanol</td>
<td>75 %</td>
<td>20</td>
<td>GB - EN</td>
</tr>
<tr>
<td>308062-28-4</td>
<td>Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides</td>
<td>90 %</td>
<td>28</td>
<td>GB - EN</td>
</tr>
<tr>
<td>7173-51-5</td>
<td>Didecyldimethylammonium chloride</td>
<td>72 %</td>
<td>28</td>
<td>GB - EN</td>
</tr>
</tbody>
</table>

### 12.3. Bioaccumulative potential

**n-Propanol**
Safety Data Sheet
(according to Regulation (EC) No. 1907/2006 in its currently valid version)

Meliseptol rapid
Revision date: 20.08.2020  Product code: 00056-0191  Page 10 of 13

Product has a low bioaccumulating potential.

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>71-23-8</td>
<td>n-Propanol</td>
<td>0.25</td>
</tr>
<tr>
<td>308062-28-4</td>
<td>Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides</td>
<td>2.7</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil
No data available

12.5. Results of PBT and vPvB assessment
According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT substance.

12.6. Other adverse effects
Low hazard to waters.

Further information
Ecological injuries are not known or expected under normal use.
Product is not allowed to be discharged into aquatic environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Disposal recommendations
Can be incinerated, when in compliance with local regulations.

List of Wastes Code - residues/unused products
070604  WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; other organic solvents, washing liquids and mother liquors; hazardous waste

Contaminated packaging
Empty containers should be taken for local recycling, recovery or waste disposal.
Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.
Packaging that cannot be cleaned should be disposed of like the product.

SECTION 14: Transport information

Land transport (ADR/RID)
14.1. UN number: UN 1274
14.2. UN proper shipping name: n-PROPAKLON, SOLUTION
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: F1

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

Inland waterways transport (ADN)
14.1. UN number: UN 1274
14.2. UN proper shipping name: n-PROPAKLON, SOLUTION
14.3. Transport hazard class(es): 3
14.4. Packing group: III  
Hazard label: 3

Classification code: F1  
Limited quantity: 5 L / 30 kg  
Excepted quantity: E1

Marine transport (IMDG)  
14.1. UN number: UN 1274  
14.2. UN proper shipping name: n-PROPANOL (PROPYL ALCOHOL, NORMAL), SOLUTION  
14.3. Transport hazard class(es): 3

Air transport (ICAO-TI/IATA-DGR)  
14.1. UN number: UN 1274  
14.2. UN proper shipping name: n-PROPANOL (PROPYL ALCOHOL, NORMAL), SOLUTION  
14.3. Transport hazard class(es): 3

14.5. Environmental hazards  
ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user  
Handle in accordance with good industrial hygiene and safety practice.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code  
The transport takes place only in approved and appropriate packaging.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture  
EU regulatory information  
2004/42/EC (VOC): 50 %  
Information according to 2012/18/EU (SEVESO III): P5c FLAMMABLE LIQUIDS
Additional information
Regulation (EC) No 648/2004 (Regulation on detergents):
Non-ionic surfactants < 5 %, Perfume < 5%
Ingredients subject to the labelling obligation according to SCCP: -

National regulatory information
Employment restrictions:
Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

15.2. Chemical safety assessment
For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Abbreviations and acronyms
ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieur
IMDG = International Maritime Code for Dangerous Goods
IATA/ICAO = International Air Transport Association / International Civil Aviation Organization
MARPOL = International Convention for the Prevention of Pollution from Ships
IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
CAS = Chemical Abstract Service
EN = European norm
ISO = International Organization for Standardization
DIN = Deutsche Industrie Norm
PBT = Persistent Bioaccumulative and Toxic
vPvB = Very Persistent and very Bio-accumulative
LD = Lethal dose
LC = Lethal concentration
EC = Effect concentration
IC = Median immobilisation concentration or median inhibitory concentration

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

<table>
<thead>
<tr>
<th>Classification</th>
<th>Classification procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flam. Liq. 3; H226</td>
<td>On basis of test data</td>
</tr>
<tr>
<td>Eye Dam. 1; H318</td>
<td>Calculation method</td>
</tr>
<tr>
<td>STOT SE 3; H336</td>
<td>Calculation method</td>
</tr>
</tbody>
</table>

Relevant H and EUH statements (number and full text)
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

Further Information
Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.
The information describes exclusively the safety requirements for the product(s) and is based on the present
level of our knowledge.
The delivery specifications are contained in the corresponding product sheet.
This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.
(n.a. = not applicable; n.d. = not determined)
For the identified uses, see also A.I.S.E. (www.aise.eu). There you will find further information under the keyword SUMI (safe use mixtures information).

**Identified uses**

<table>
<thead>
<tr>
<th>No</th>
<th>Short title</th>
<th>LCS</th>
<th>SU</th>
<th>PC</th>
<th>PROC</th>
<th>ERC</th>
<th>AC</th>
<th>TF</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Disinfectant for surfaces</td>
<td></td>
<td></td>
<td></td>
<td>8a, 8b, 9, 10, 19</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>SUMI-I</td>
</tr>
</tbody>
</table>

LCS: Life cycle stages
SU: Sectors of use
PC: Product categories
PROC: Process categories
ERC: Environmental release categories
AC: Article categories
TF: Technical functions

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