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

1.1 Product identifier

<table>
<thead>
<tr>
<th>Trade name</th>
<th>Benzyl alcohol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product number</td>
<td>813339</td>
</tr>
<tr>
<td>Registration number (REACH)</td>
<td>01-2119492630-38-xxxx</td>
</tr>
<tr>
<td>EC number</td>
<td>202-859-9</td>
</tr>
<tr>
<td>CAS number</td>
<td>100-51-6</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Relevant identified uses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent for various applications</td>
</tr>
<tr>
<td>Intermediate for organic synthesis</td>
</tr>
</tbody>
</table>

1.3 Details of the supplier of the safety data sheet

Oqema Contract GmbH
Nauheimer Str. 37
70372 Stuttgart
Germany

Telephone: (+)49 711 55381 0
Telefax: (+)49 711 55381 30
Website: www.oqema.com

E-mail (competent person): msds-service@oqema.com

1.4 Emergency telephone number

<table>
<thead>
<tr>
<th>Poison centre</th>
<th>Name</th>
<th>Telephone</th>
<th>Telefax</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Giftnotruf Mainz</td>
<td>+49 (0) 6131-19240</td>
<td>+49 (0) 6131 - 23 2468</td>
</tr>
</tbody>
</table>

As above or next toxicological information centre.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)
Benzyl alcohol

**Classification**

<table>
<thead>
<tr>
<th>Section</th>
<th>Hazard class</th>
<th>Category</th>
<th>Hazard class and category</th>
<th>Hazard statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.1O</td>
<td>acute toxicity (oral)</td>
<td>4</td>
<td>Acute Tox. 4</td>
<td>H302</td>
</tr>
<tr>
<td>3.1I</td>
<td>acute toxicity (inhal.)</td>
<td>4</td>
<td>Acute Tox. 4</td>
<td>H332</td>
</tr>
<tr>
<td>3.3</td>
<td>serious eye damage/eye irritation</td>
<td>2</td>
<td>Eye Irrit. 2</td>
<td>H319</td>
</tr>
</tbody>
</table>

for full text of abbreviations: see SECTION 16

**2.2 Label elements**

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

**Signal word** warning

**Pictograms**

GHS07

**Hazard statements**

H302+H332 Harmful if swallowed or if inhaled.

H319 Causes serious eye irritation.

**Precautionary statements**

P261 Avoid breathing mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P311 IF exposed or concerned: Call a POISON CENTER/doctor.

P330 Rinse mouth.

**2.3 Other hazards**

Vapours may form explosive mixtures with air.

**SECTION 3: Composition/information on ingredients**

**3.1 Substances**

**Name of substance** benzyl alcohol

**Identifiers**

REACH Reg. No 01-2119492630-38-xxxx

CAS No 100-51-6

EC No 202-859-9

**Molecular formula** C7H8O
SECTION 4: First aid measures

4.1 Description of first aid measures

General notes
Self-protection of the first aider.
Remove affected person from the danger area and lay down.
Do not leave affected person unattended.
Take off immediately all contaminated clothing.
Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.
In all cases of doubt, or when symptoms persist, seek medical advice.

Following inhalation
Provide fresh air.
If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions.

Following skin contact
Wash with plenty of soap and water.

Following eye contact
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.

Following ingestion
Rinse mouth. Do not induce vomiting.
Get immediate medical advice/attention.

Notes for the doctor
none

4.2 Most important symptoms and effects, both acute and delayed
Headache.
Unconsciousness.
Nausea.
Causes eye irritation.
Harmful if swallowed or if inhaled.
Dizziness.
Pneumonia.

4.3 Indication of any immediate medical attention and special treatment needed
none
SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media
water spray, alcohol resistant foam, fire extinguishing powder, carbon dioxide (CO2)

Unsuitable extinguishing media
water jet

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products: Section 10.
In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture.
Danger of bursting container.

Hazardous combustion products
carbon monoxide (CO), carbon dioxide (CO2), pyrolysis products, toxic, irritant vapors / gases, Combustible / flammable vapors

5.3 Advice for firefighters

Keep containers cool with water spray.
In case of fire and/or explosion do not breathe fumes.
Co-ordinate firefighting measures to the fire surroundings.
Do not allow firefighting water to enter drains or water courses.
Collect contaminated firefighting water separately.
Fight fire with normal precautions from a reasonable distance.

Special protective equipment for firefighters
self-contained breathing apparatus (EN 133)

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel
Remove persons to safety.
Ventilate affected area.
Avoid breathing mist/vapours/spray.
Avoid contact with skin and eyes.
Eliminate all ignition sources if safe to do so.
Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing.

For emergency responders
Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water.
Retain contaminated washing water and dispose of it.
6.3 **Methods and material for containment and cleaning up**

**Advises on how to clean up a spill**
Collect spillage.
Absorbent material (e.g. sand, diatomaceous earth, acid binder, universal binder, sawdust, etc.).

**Appropriate containment techniques**
Use of adsorbent materials.

**Other information relating to spills and releases**
Place in appropriate containers for disposal.
Ventilate affected area.

6.4 **Reference to other sections**
Hazardous combustion products: see section 5.
Personal protective equipment: see section 8.
Incompatible materials: see section 10.
Disposal considerations: see section 13.

---

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**
Avoid contact with skin and eyes.
Do not breathe vapour/spray.

**Measures to prevent fire as well as aerosol and dust generation**
Use local and general ventilation.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Specific notes/details**
Vapours may form explosive mixtures with air.

**Handling of incompatible substances or mixtures**
Keep away from
oxidisers

**Measures to protect the environment**
Avoid release to the environment.

**Advice on general occupational hygiene**
Do not eat, drink and smoke in work areas.
Wash hands after use.
Preventive skin protection (barrier creams/ointments) is recommended.
Remove contaminated clothing and protective equipment before entering eating areas.

**7.2 Conditions for safe storage, including any incompatibilities**

**Explosive atmospheres**
Store at temperatures not exceeding 50 °C/122 °F.
Flammability hazards
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge.

Incompatible substances or mixtures
Incompatible materials: see section 10. Observe hints for combined storage. Store away from oxidizing agents.

Protect against external exposure, such as
heat, humidity, direct light irradiation, water, contact with air/oxygen

Consideration of other advice
Keep away from food, drink and animal feedingstuffs. Store in a dry place. Store in a closed container. Store in a well-ventilated place. Keep cool.

Ventilation requirements
Keep any substance that emits harmful vapours or gases in a place that allows these to be permanently extracted. Provision of sufficient ventilation.

Specific designs for storage rooms or vessels
Storage temperature
maximum storage temperature: 50 °C

Packaging compatibilities
Keep only in original container.

7.3 Specific end use(s)
No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Human health values

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Threshold level</th>
<th>Protection goal, route of exposure</th>
<th>Used in</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNEL</td>
<td>8 mg/kg</td>
<td>human, dermal</td>
<td>worker (industry)</td>
<td>chronic - systemic effects</td>
</tr>
<tr>
<td>DNEL</td>
<td>22 mg/m³</td>
<td>human, inhalatory</td>
<td>worker (industry)</td>
<td>chronic - systemic effects</td>
</tr>
<tr>
<td>DNEL</td>
<td>4 mg/kg bw/day</td>
<td>human, oral</td>
<td>consumer (private households)</td>
<td>chronic - systemic effects</td>
</tr>
<tr>
<td>DNEL</td>
<td>4 mg/kg bw/day</td>
<td>human, dermal</td>
<td>consumer (private households)</td>
<td>chronic - systemic effects</td>
</tr>
<tr>
<td>DNEL</td>
<td>5.4 mg/cm³</td>
<td>human, inhalatory</td>
<td>consumer (private households)</td>
<td>chronic - systemic effects</td>
</tr>
</tbody>
</table>
Environmental values

### Relevant PNECs and other threshold levels

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Threshold level</th>
<th>Environmental compartment</th>
</tr>
</thead>
<tbody>
<tr>
<td>PNEC</td>
<td>1 mg/l</td>
<td>freshwater</td>
</tr>
<tr>
<td>PNEC</td>
<td>0.1 mg/l</td>
<td>marine water</td>
</tr>
<tr>
<td>PNEC</td>
<td>39 mg/l</td>
<td>sewage treatment plant (STP)</td>
</tr>
<tr>
<td>PNEC</td>
<td>5.27 mg/kg</td>
<td>freshwater sediment</td>
</tr>
<tr>
<td>PNEC</td>
<td>0.527 mg/kg</td>
<td>marine sediment</td>
</tr>
<tr>
<td>PNEC</td>
<td>0.456 mg/kg</td>
<td>soil</td>
</tr>
<tr>
<td>PNEC</td>
<td>2.3 mg/l</td>
<td>water</td>
</tr>
</tbody>
</table>

### 8.2 Exposure controls

#### Appropriate engineering controls

General ventilation.

#### Individual protection measures (personal protective equipment)

**Eye/face protection**

Wear eye/face protection. (EN 166).

**Hand protection**

<table>
<thead>
<tr>
<th>Material</th>
<th>Material thickness</th>
<th>Breakthrough times of the glove material</th>
</tr>
</thead>
<tbody>
<tr>
<td>IIR: isobutene-isoprene (butyl) rubber</td>
<td>≥ 0,7 mm</td>
<td>&gt;480 minutes (permeation: level 6)</td>
</tr>
<tr>
<td>FKM: fluoro-elastomer</td>
<td>≥ 0,7 mm</td>
<td>&gt;480 minutes (permeation: level 6)</td>
</tr>
</tbody>
</table>

Wear suitable gloves.

Chemical protection gloves are suitable, which are tested according to EN 374.

Check leak-tightness/impermeability prior to use.

In the case of wanting to use the gloves again, clean them before taking off and air them well.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### Respiratory protection

Filtering device (EN 147).

Type: A (against organic gases and vapours with a boiling point of > 65 °C, colour code: Brown).

#### Environmental exposure controls

Use appropriate container to avoid environmental contamination.

Keep away from drains, surface and ground water.
9.1 Information on basic physical and chemical properties

**Appearance**
- Physical state: liquid
- Form: fluid
- Colour: colourless
- Odour: faintly perceptible
- Odour threshold: not determined

**Other safety parameters**
- pH (value): not applicable
- Melting point/freezing point: -15.4 °C
- Initial boiling point and boiling range: 205.4 °C
- Flash point: 100 – 101 °C (DIN 51758)
- Evaporation rate: not determined
- Flammability (solid, gas): not relevant (fluid)

**Explosive limits**
- Lower explosion limit (LEL): 1.3 vol%
- Upper explosion limit (UEL): 13 vol%

**Vapour pressure**: 0.13 hPa at 20 °C
**Density**: 1.04 g/cm³ at 20 °C
**Relative density**: not determined

**Solubility(ies)**
- Water solubility: 40 g/l at 20 °C

**Partition coefficient**
- n-octanol/water (log KOW): 1.05 (20 °C)
- Auto-ignition temperature: 435 °C
- Relative self-ignition temperature for solids: not relevant (Fluid)

**Decomposition temperature**: not determined

**Viscosity**
- Kinematic viscosity: these information are not available
Benzyl alcohol

Dynamic viscosity 5 – 7 mPa s at 20 °C

Explosive properties not explosive, vapours may form explosive mixtures with air

Oxidising properties shall not be classified as oxidising

9.2 **Other information**

Surface tension 39 dyn/cm (20 °C)

Temperature class (EU, acc. to ATEX) T2

---

**SECTION 10: Stability and reactivity**

10.1 **Reactivity**

This material is not reactive under normal ambient conditions.

10.2 **Chemical stability**

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 **Possibility of hazardous reactions**

In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture. Polymerisation.

10.4 **Conditions to avoid**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Humidity.

10.5 **Incompatible materials**

acids, oxidisers, sulphuric acid

10.6 **Hazardous decomposition products**

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

---

**SECTION 11: Toxicological information**

11.1 **Information on toxicological effects**

If not otherwise specified the classification is based on:

Animal studies; Evidence from any other toxicity tests; Expert judgement (weight of evidence determination).
Benzyl alcohol

Classification according to GHS (1272/2008/EC, CLP)

**Acute toxicity**
Harmful if swallowed.
Harmful if inhaled.

**Dermal:**
Data are lacking, inconclusive, or conclusive but not sufficient for classification.
Classification could not be established because:

<table>
<thead>
<tr>
<th>Exposure route</th>
<th>Endpoint</th>
<th>Value</th>
<th>Species</th>
<th>Method</th>
<th>Source</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>oral</td>
<td>LD50</td>
<td>1,620 mg/kg</td>
<td>rat, male</td>
<td>ECHA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>inhalation: dust/mist</td>
<td>LC50</td>
<td>&gt;4,178 mg/m³/4h</td>
<td>rat</td>
<td>OECD Guideline 403</td>
<td>ECHA</td>
<td>keine Mortalität bei max. erreichbarer Konz. (Nebel)</td>
</tr>
</tbody>
</table>

**Skin corrosion/irritation**
Classification could not be established because:
Data are lacking, inconclusive, or conclusive but not sufficient for classification.

**Serious eye damage/eye irritation**
Causes serious eye irritation.
(ECHA, OECD Guideline 405)

**Respiratory or skin sensitisation**

**Skin sensitisation**
Classification could not be established because:
Data are lacking, inconclusive, or conclusive but not sufficient for classification.

**Respiratory sensitisation**
Classification could not be established because:
Data are lacking, inconclusive, or conclusive but not sufficient for classification.

**Germ cell mutagenicity**
Classification could not be established because:
Data are lacking, inconclusive, or conclusive but not sufficient for classification.

**Carcinogenicity**
Shall not be classified as carcinogenic.
(ECHA, OECD Guideline 451)

**Reproductive toxicity**
Classification could not be established because:
Data are lacking, inconclusive, or conclusive but not sufficient for classification.

**Specific target organ toxicity - single exposure**
Classification could not be established because:
Data are lacking, inconclusive, or conclusive but not sufficient for classification.
Benzyl alcohol

**Specific target organ toxicity - repeated exposure**

Classification could not be established because:
Data are lacking, inconclusive, or conclusive but not sufficient for classification.

### Chronic toxicity

<table>
<thead>
<tr>
<th>Exposure route</th>
<th>Endpoint</th>
<th>Value</th>
<th>Species</th>
<th>Method</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>oral</td>
<td>NOAEL</td>
<td>400 mg/kg bw/day</td>
<td>rat</td>
<td>OECD Guideline 451</td>
<td>ECHA</td>
</tr>
<tr>
<td>inhalation: dust/mist</td>
<td>NOAEC</td>
<td>1,072 mg/m³</td>
<td>rat</td>
<td>OECD Guideline 412</td>
<td>ECHA</td>
</tr>
</tbody>
</table>

**Aspiration hazard**

Shall not be classified as presenting an aspiration hazard.

### SECTION 12: Ecological information

#### 12.1 Toxicity

**Aquatic toxicity (acute)**

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

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
<th>Species</th>
<th>Method</th>
<th>Source</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50</td>
<td>460 mg/l</td>
<td>fathead minnow (Pimephales promelas)</td>
<td>EPA OPP 72-1</td>
<td>ECHA</td>
<td>96 h</td>
</tr>
<tr>
<td>EC50</td>
<td>230 mg/l</td>
<td>daphnia magna</td>
<td>OECD Guideline 202</td>
<td>ECHA</td>
<td>48 h</td>
</tr>
<tr>
<td>ErC50</td>
<td>770 mg/l</td>
<td>algae (pseudokirchneriella subcapitata)</td>
<td>OECD Guideline 201</td>
<td>ECHA</td>
<td>72 h</td>
</tr>
</tbody>
</table>

**Aquatic toxicity (chronic)**

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

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
<th>Species</th>
<th>Method</th>
<th>Source</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50</td>
<td>66 mg/l</td>
<td>daphnia magna</td>
<td>OECD Guideline 211</td>
<td>ECHA</td>
<td>21 d</td>
</tr>
<tr>
<td>NOEC</td>
<td>51 mg/l</td>
<td>daphnia magna</td>
<td>OECD Guideline 211</td>
<td>ECHA</td>
<td>21 d</td>
</tr>
</tbody>
</table>

#### 12.2 Persistence and degradability

**Process of degradability**

<table>
<thead>
<tr>
<th>Process</th>
<th>Degradation rate</th>
<th>Time</th>
<th>Method</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>oxygen depletion</td>
<td>92 – 96 %</td>
<td>14 d</td>
<td>OECD 301C</td>
<td>ECHA</td>
</tr>
<tr>
<td>DOC removal</td>
<td>95 – 97 %</td>
<td>21 d</td>
<td>OECD 301A</td>
<td>ECHA</td>
</tr>
</tbody>
</table>
Biodegradation
The substance is readily biodegradable.

Persistence
Data are not available.

12.3 Bioaccumulative potential
Data are not available.

n-octanol/water (log KOW) 1.05 (20 ºC)
(ECHA)

12.4 Mobility in soil
Data are not available.

12.5 Results of PBT and vPvB assessment
According to the results of its assessment, this substance is not a PBT or a vPvB.

12.6 Other adverse effects
Data are not available.

Endocrine disrupting potential
Not listed.

Remarks
Wassergefährdungsklasse, WGK (water hazard class): 1

SECTION 13: Disposal considerations

13.1 Waste treatment methods
This material and its container must be disposed of as hazardous waste.

Sewage disposal-relevant information
Do not empty into drains.

Waste treatment of containers/packagings
Handle contaminated packages in the same way as the substance itself.

Remarks
Please consider the relevant national or regional provisions.

SECTION 14: Transport information

14.1 UN number not subject to transport regulations

14.2 UN proper shipping name -

14.3 Transport hazard class(es)
Class -

14.4 Packing group -
Benzyl alcohol

14.5 Environmental hazards

14.6 Special precautions for user

There is no additional information.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

The cargo is not intended to be carried in bulk.

14.8 Information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)
Not subject to ADR, RID and ADN.

International Maritime Dangerous Goods Code (IMDG)
Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR)
Not subject to ICAO-IATA.

SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

Restrictions according to REACH, Annex XVII

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>Name acc. to inventory</th>
<th>Type of registration</th>
</tr>
</thead>
<tbody>
<tr>
<td>benzyl alcohol</td>
<td>this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC</td>
<td>1907/2006/EC - annex XVII</td>
</tr>
</tbody>
</table>

List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

not listed

Seveso Directive

2012/18/EU (Seveso III)

<table>
<thead>
<tr>
<th>No</th>
<th>Dangerous substance/hazard categories</th>
<th>Qualifying quantity (tonnes) for the application of lower and upper-tier requirements</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>not assigned</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) - Annex II

not listed
15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance by the supplier.

### SECTION 16: Other information

#### Indication of changes (revised safety data sheet)

<table>
<thead>
<tr>
<th>Section</th>
<th>Former entry (text/value)</th>
<th>Actual entry (text/value)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1</td>
<td>Trade name: BENZYLALKOHOL</td>
<td>Trade name: Benzyl alcohol</td>
</tr>
<tr>
<td>1.3</td>
<td>Details of the supplier of the safety data sheet: Telephone: (+)49 711 55381 0 Telefax: (+)49 711 55381 30</td>
<td>Details of the supplier of the safety data sheet: Telephone: (+)49 711 55381 0 Telefax: (+)49 711 55381 30 Website: <a href="http://www.oqema.com">www.oqema.com</a></td>
</tr>
<tr>
<td>1.4</td>
<td>Emergency telephone number: As above or next toxicological information centre.</td>
<td>Emergency telephone number</td>
</tr>
<tr>
<td>1.4</td>
<td></td>
<td>Poison centre: change in the listing (table)</td>
</tr>
<tr>
<td>2.2</td>
<td></td>
<td>Precautionary statements: change in the listing (table)</td>
</tr>
<tr>
<td>3.1</td>
<td>Index No: 603-057-00-5</td>
<td></td>
</tr>
<tr>
<td>15.1</td>
<td></td>
<td>Dangerous substances with restrictions (REACH, Annex XVII): change in the listing (table)</td>
</tr>
</tbody>
</table>

#### Abbreviations and acronyms

<table>
<thead>
<tr>
<th>Abbr.</th>
<th>Descriptions of used abbreviations</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADN</td>
<td>Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)</td>
</tr>
<tr>
<td>ADR</td>
<td>Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)</td>
</tr>
</tbody>
</table>
Benzyl alcohol

<table>
<thead>
<tr>
<th>Abbr.</th>
<th>Descriptions of used abbreviations</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS</td>
<td>Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)</td>
</tr>
<tr>
<td>CLP</td>
<td>Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures</td>
</tr>
<tr>
<td>DGR</td>
<td>Dangerous Goods Regulations (see IATA/DGR)</td>
</tr>
<tr>
<td>DNEL</td>
<td>Derived No-Effect Level</td>
</tr>
<tr>
<td>EC No</td>
<td>The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)</td>
</tr>
<tr>
<td>EINECS</td>
<td>European Inventory of Existing Commercial Chemical Substances</td>
</tr>
<tr>
<td>ELINCS</td>
<td>European List of Notified Chemical Substances</td>
</tr>
<tr>
<td>GHS</td>
<td>&quot;Globally Harmonized System of Classification and Labelling of Chemicals&quot; developed by the United Nations</td>
</tr>
<tr>
<td>IATA</td>
<td>International Air Transport Association</td>
</tr>
<tr>
<td>IATA/DGR</td>
<td>Dangerous Goods Regulations (DGR) for the air transport (IATA)</td>
</tr>
<tr>
<td>ICAO</td>
<td>International Civil Aviation Organization</td>
</tr>
<tr>
<td>IMDG</td>
<td>International Maritime Dangerous Goods Code</td>
</tr>
<tr>
<td>MARPOL</td>
<td>International Convention for the Prevention of Pollution from Ships (abbr. of &quot;Marine Pollutant&quot;)</td>
</tr>
<tr>
<td>NLP</td>
<td>No-Longer Polymer</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent, Bioaccumulative and Toxic</td>
</tr>
<tr>
<td>PNEC</td>
<td>Predicted No-Effect Concentration</td>
</tr>
<tr>
<td>REACH</td>
<td>Registration, Evaluation, Authorisation and Restriction of Chemicals</td>
</tr>
<tr>
<td>RID</td>
<td>Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)</td>
</tr>
<tr>
<td>SVHC</td>
<td>Substance of Very High Concern</td>
</tr>
<tr>
<td>vPvB</td>
<td>Very Persistent and very Bioaccumulative</td>
</tr>
</tbody>
</table>

Key literature references and sources for data
Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN).
International Maritime Dangerous Goods Code (IMDG).
Dangerous Goods Regulations (DGR) for the air transport (IATA).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

<table>
<thead>
<tr>
<th>Code</th>
<th>Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>H302</td>
<td>Harmful if swallowed.</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled.</td>
</tr>
</tbody>
</table>
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Disclaimer
This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.