

## Native PBDE Standard Decabromodiphenyl ether (PBDE-209), 50µg/mL in toluene

Version number: GHS 1.0

Date of compilation: 2022-08-30

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

#### 1.1 Product identifier

Trade name **Native PBDE Standard Decabromodiphenyl ether (PBDE-209), 50µg/mL in toluene**

Article number **A0283702**

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

Relevant identified uses **General use**

#### 1.3 Details of the supplier of the safety data sheet

Chemos GmbH & Co. KG  
Sonnenring 7  
84032 Altdorf  
Germany

Telephone: +49 871-966346-0  
Telefax: +49 871-966346-13  
e-mail: [chemos@chemos.de](mailto:chemos@chemos.de)  
Website: <http://www.chemos.de/>

e-mail (competent person) **chemos@chemos.de**

#### 1.4 Emergency telephone number

Emergency information service **+49 89 1 92 40**

Poison centre

| Country        | Name  | Postal code/<br>city | Telephone         | Telefax |
|----------------|---|----------------------|-------------------|---------|
| United Kingdom | National Poison Information Centre<br>Medical Toxicology Unit | SE14 5ER Lon-<br>don | +44 171 635 91 91 |         |

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification acc. to GHS

| Section | Hazard class   | Category | Hazard class and cat-<br>egory | Hazard state-<br>ment |
|---------|--|----------|--------------------------------|-----------------------|
| 2.6     | flammable liquid   | 2        | Flam. Liq. 2                   | H225                  |
| 3.2     | skin corrosion/irritation  | 2        | Skin Irrit. 2                  | H315                  |
| 3.7     | reproductive toxicity  | 2        | Repr. 2                        | H361d                 |
| 3.8D    | specific target organ toxicity - single exposure (narcotic ef-<br>fects, drowsiness) | 3        | STOT SE 3                      | H336                  |
| 3.9     | specific target organ toxicity - repeated exposure                                   | 2        | STOT RE 2                      | H373                  |
| 3.10    | aspiration hazard  | 1        | Asp. Tox. 1                    | H304                  |

For full text of abbreviations: see SECTION 16.

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The most important adverse physicochemical, human health and environmental effects

Delayed or immediate effects can be expected after short or long-term exposure. The product is combustible and can be ignited by potential ignition sources.

### 2.2 Label elements

Labelling

- Signal word                      danger

- Pictograms

GHS02, GHS07, GHS08



- Hazard statements

- |       |  |
|-------|--|
| H225  | Highly flammable liquid and vapour.                                |
| H304  | May be fatal if swallowed and enters airways.                      |
| H315  | Causes skin irritation.  |
| H336  | May cause drowsiness or dizziness.                                 |
| H361d | Suspected of damaging the unborn child.                            |
| H373  | May cause damage to organs through prolonged or repeated exposure. |

- Precautionary statements

- |           |   |
|-----------|---|
| P210      | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.    |
| P260      | Do not breathe dust/fume/gas/mist/vapours/spray.  |
| P280      | Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/.... |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER/doctor.  |
| P331      | Do NOT induce vomiting.   |
| P370+P378 | In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.                   |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed.                                  |
| P403+P235 | Store in a well-ventilated place. Keep cool.  |

- Hazardous ingredients for labelling                      toluene

### 2.3 Other hazards

of no significance

## SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Not relevant (mixture)

#### 3.2 Mixtures

Description of the mixture

| Name of substance | Identifier   | Wt%  | Classification acc. to GHS   | Pictograms |
|-------------------|--|------|--|------------|
| toluene           | CAS No<br>108-88-3<br><br>EC No<br>203-625-9<br><br>Index No<br>601-021-00-3 | ≥ 90 | Flam. Liq. 2 / H225<br>Skin Irrit. 2 / H315<br>Repr. 2 / H361d<br>STOT SE 3 / H336<br>STOT RE 2 / H373<br>Asp. Tox. 1 / H304 |            |

For full text of abbreviations: see SECTION 16.

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**SECTION 4: First aid measures****4.1 Description of first aid measures**

## General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

## Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

## Following skin contact

Wash with plenty of soap and water.

## Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

## Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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

Narcotic effects.

**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, BC-powder, Carbon dioxide (CO<sub>2</sub>)

## Unsuitable extinguishing media

Water jet

**5.2 Special hazards arising from the substance or mixture**

In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture. Solvent vapours are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

## Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

**5.3 Advice for firefighters**

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.

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**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel

Remove persons to safety.

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**

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

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**

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Vapours may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

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

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

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## - Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

## - Ventilation requirements

Use local and general ventilation. Ground/bond container and receiving equipment.

## - Packaging compatibilities

Only packagings which are approved (e.g. acc. to ADR) may be used.

## 7.3 Specific end use(s)

See section 16 for a general overview.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

| Occupational exposure limit values (Workplace Exposure Limits) |               |          |            |           |             |            |              |                 |                   |          |            |
|--|---------------|----------|------------|-----------|-------------|------------|--------------|-----------------|-------------------|----------|------------|
| Country  | Name of agent | CAS No   | Identifier | TWA [ppm] | TWA [mg/m³] | STEL [ppm] | STEL [mg/m³] | Ceiling-C [ppm] | Ceiling-C [mg/m³] | Notation | Source     |
| EU   | toluene       | 108-88-3 | IOELV      | 50        | 192         | 100        | 384          |                 |                   | H        | 2006/15/EC |
| GB   | toluene       | 108-88-3 | WEL        | 50        | 191         | 100        | 384          |                 |                   |          | EH40/2005  |

#### Notation

#### Ceiling-C

#### H

#### STEL

#### TWA

ceiling value is a limit value above which exposure should not occur

absorbed through the skin

short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours

time-weighted average (unless otherwise specified)

### 8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

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.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

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Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

|  |  |
|--|--|
| Physical state   | liquid   |
| Colour   | not determined                                   |
| Odour  | characteristic                                   |
| Melting point/freezing point                             | -93 °C   |
| Boiling point or initial boiling point and boiling range | 110 °C   |
| Flammability   | flammable liquid in accordance with GHS criteria |
| Lower and upper explosion limit                          | not determined                                   |
| Flash point  | 4 °C   |
| Auto-ignition temperature                                | not determined                                   |
| Decomposition temperature                                | not relevant                                     |
| pH (value)   | not determined                                   |
| Kinematic viscosity                                      | not determined                                   |
| Solubility(ies)  | not determined                                   |

Partition coefficient

|   |                                   |
|---|-----------------------------------|
| Partition coefficient n-octanol/water (log value) | this information is not available |
|---|-----------------------------------|

|                 |                      |
|-----------------|----------------------|
| Vapour pressure | 30.88 hPa at 21.1 °C |
|-----------------|----------------------|

Density and/or relative density

|                         |   |
|-------------------------|---|
| Density                 | not determined                                |
| Relative vapour density | information on this property is not available |

|                          |                       |
|--------------------------|-----------------------|
| Particle characteristics | not relevant (liquid) |
|--------------------------|-----------------------|

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## 9.2 Other information

|  |                                    |
|--|------------------------------------|
| Information with regard to physical hazard classes | there is no additional information |
|--|------------------------------------|

Other safety characteristics

|                 |         |
|-----------------|---------|
| Solvent content | 100 %   |
| Solid content   | 0.005 % |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition.

If heated:

Risk of ignition

### 10.2 Chemical stability

See below "Conditions to avoid".

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

### 10.5 Incompatible materials

Oxidisers

### 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

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### Classification acc. to GHS

Acute toxicity

Shall not be classified as acutely toxic.

Skin corrosion/irritation

Causes skin irritation.

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Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Suspected of damaging the unborn child.

Specific target organ toxicity - single exposure

May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

May be fatal if swallowed and enters airways.

### **11.2 Information on other hazards**

There is no additional information.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

Shall not be classified as hazardous to the aquatic environment.

### **12.2 Persistence and degradability**

Data are not available.

### **12.3 Bioaccumulative potential**

Data are not available.

### **12.4 Mobility in soil**

Data are not available.

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

Data are not available.

### **12.6 Endocrine disrupting properties**

Information on this property is not available.

### **12.7 Other adverse effects**

Data are not available.



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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

### 14.1 UN number or ID number

|           |         |
|-----------|---------|
| ADR/RID   | UN 1294 |
| IMDG-Code | UN 1294 |
| ICAO-TI   | UN 1294 |

### 14.2 UN proper shipping name

|           |         |
|-----------|---------|
| ADR/RID   | TOLUENE |
| IMDG-Code | TOLUENE |
| ICAO-TI   | Toluene |

### 14.3 Transport hazard class(es)

|           |   |
|-----------|---|
| ADR/RID   | 3 |
| IMDG-Code | 3 |
| ICAO-TI   | 3 |

### 14.4 Packing group

|           |    |
|-----------|----|
| ADR/RID   | II |
| IMDG-Code | II |
| ICAO-TI   | II |

### 14.5 Environmental hazards

non-environmentally hazardous acc. to the dangerous goods regulations

### 14.6 Special precautions for user

Provisions for dangerous goods (ADR) should be complied within the premises.

### 14.7 Maritime transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

### Information for each of the UN Model Regulations

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## Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) - Additional information

Classification code F1

Danger label(s) 3



Excepted quantities (EQ) E2

Limited quantities (LQ) 1 L

Transport category (TC) 2

Tunnel restriction code (TRC) D/E

Hazard identification No 33

Emergency Action Code 3YE

## Regulations concerning the International Carriage of Dangerous Goods by Rail (RID) - Additional information

Classification code F1

Danger label(s) 3



Excepted quantities (EQ) E2

Limited quantities (LQ) 1 L

Transport category (TC) 2

Hazard identification No 33

## International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant -

Danger label(s) 3



Special provisions (SP) -

Excepted quantities (EQ) E2

Limited quantities (LQ) 1 L

EmS F-E, S-D

Stowage category B

## International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Danger label(s) 3



Excepted quantities (EQ) E2

Limited quantities (LQ) 1 L

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### 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)

###### Deco-Paint Directive

|             |       |
|-------------|-------|
| VOC content | 100 % |
|-------------|-------|

###### Industrial Emissions Directive (IED)

|             |       |
|-------------|-------|
| VOC content | 100 % |
|-------------|-------|

##### National regulations (GB)

###### Restrictions according to GB REACH, Annex 17

| Dangerous substances with restrictions (GB REACH, Annex 17)                 |  |        |    |
|---|--|--------|----|
| Name of substance   | Name acc. to inventory   | CAS No | No |
| Native PBDE Standard Decabromodiphenyl ether (PBDE-209), 50µg/mL in toluene | this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC |        | 3  |

##### National inventories

| Country | Inventory  | Status                         |
|---------|------------|--------------------------------|
| AU      | AIIC       | all ingredients are listed     |
| CA      | DSL        | all ingredients are listed     |
| CN      | IECSC      | all ingredients are listed     |
| EU      | ECSI       | all ingredients are listed     |
| EU      | REACH Reg. | all ingredients are listed     |
| JP      | CSCL-ENCS  | all ingredients are listed     |
| JP      | ISHA-ENCS  | not all ingredients are listed |
| KR      | KECI       | all ingredients are listed     |
| MX      | INSQ       | all ingredients are listed     |
| NZ      | NZIoC      | all ingredients are listed     |
| PH      | PICCS      | all ingredients are listed     |
| TR      | CICR       | all ingredients are listed     |
| TW      | TCSI       | all ingredients are listed     |
| US      | TSCA       | all ingredients are listed     |

##### Legend

|           |   |
|-----------|---|
| AIIC      | Australian Inventory of Industrial Chemicals                            |
| CICR      | Chemical Inventory and Control Regulation                               |
| CSCL-ENCS | List of Existing and New Chemical Substances (CSCL-ENCS)                |
| DSL       | Domestic Substances List (DSL)  |
| ECSI      | EC Substance Inventory (EINECS, ELINCS, NLP)                            |
| IECSC     | Inventory of Existing Chemical Substances Produced or Imported in China |
| INSQ      | National Inventory of Chemical Substances                               |
| ISHA-ENCS | Inventory of Existing and New Chemical Substances (ISHA-ENCS)           |

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|            |   |
|------------|---|
| KECI       | Korea Existing Chemicals Inventory                                |
| NZIoC      | New Zealand Inventory of Chemicals                                |
| PICCS      | Philippine Inventory of Chemicals and Chemical Substances (PICCS) |
| REACH Reg. | REACH registered substances                                       |
| TCSI       | Taiwan Chemical Substance Inventory                               |
| TSCA       | Toxic Substance Control Act                                       |

## 15.2 Chemical Safety Assessment

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

## SECTION 16: Other information

### Abbreviations and acronyms

| Abbr.      | Descriptions of used abbreviations   |
|------------|--|
| 2006/15/EC | Commission Directive establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC |
| ADR        | Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)                                      |
| Asp. Tox.  | Aspiration hazard  |
| CAS        | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)   |
| Ceiling-C  | Ceiling value  |
| DGR        | Dangerous Goods Regulations (see IATA/DGR)   |
| EC No      | 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)                  |
| EH40/2005  | EH40/2005 Workplace exposure limits ( <a href="http://www.nationalarchives.gov.uk/doc/open-government-licence/">http://www.nationalarchives.gov.uk/doc/open-government-licence/</a> )              |
| EINECS     | European Inventory of Existing Commercial Chemical Substances  |
| ELINCS     | European List of Notified Chemical Substances  |
| EmS        | Emergency Schedule   |
| Flam. Liq. | Flammable liquid   |
| GB REACH   | The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended)   |
| GHS        | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations  |
| IATA       | International Air Transport Association  |
| IATA/DGR   | Dangerous Goods Regulations (DGR) for the air transport (IATA)   |
| ICAO       | International Civil Aviation Organization  |
| ICAO-TI    | Technical instructions for the safe transport of dangerous goods by air  |
| IMDG       | International Maritime Dangerous Goods Code  |
| IMDG-Code  | International Maritime Dangerous Goods Code  |
| index No   | The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008   |
| IOELV      | Indicative occupational exposure limit value   |

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| Abbr.       | Descriptions of used abbreviations  |
|-------------|---|
| NLP         | No-Longer Polymer   |
| PBT         | Persistent, Bioaccumulative and Toxic   |
| ppm         | Parts per million   |
| REACH       | Registration, Evaluation, Authorisation and Restriction of Chemicals  |
| Repr.       | Reproductive toxicity   |
| RID         | Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail) |
| Skin Corr.  | Corrosive to skin   |
| Skin Irrit. | Irritant to skin  |
| STEL        | Short-term exposure limit   |
| STOT RE     | Specific target organ toxicity - repeated exposure  |
| STOT SE     | Specific target organ toxicity - single exposure  |
| TWA         | Time-weighted average   |
| VOC         | Volatile Organic Compounds  |
| vPvB        | Very Persistent and very Bioaccumulative  |
| WEL         | Workplace exposure limit  |

### Key literature references and sources for data

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

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

| Code  | Text   |
|-------|--|
| H225  | Highly flammable liquid and vapour.                                |
| H304  | May be fatal if swallowed and enters airways.                      |
| H315  | Causes skin irritation.  |
| H336  | May cause drowsiness or dizziness.                                 |
| H361d | Suspected of damaging the unborn child.                            |
| H373  | May cause damage to organs through prolonged or repeated exposure. |

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.