

Article No.: KG40112ADX10 Classic BaseOil Color  
Print date: 04.12.2018 Revision date: 03.12.2018  
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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. product identifiers

Article No. (manufacturer/supplier) KG40112ADX10  
Trade name/designation Classic BaseOil Color  
Zitronengelb/lemon  
abZ-Nr. Z-157.10-47

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

#### Relevant identified uses:

paint and/or paint related material  
Reserved for industrial and professional use.

#### Uses advised against:

Do not use for sputtering or spraying.

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

#### supplier (manufacturer/importer/downstream user/distributor)

Berger-Seidle GmbH  
Parkettlacke - Klebstoffe - Bauchemie Telephone: +49 6359 / 8005-0  
Maybachstraße 2 Telefax: +49 6359 / 8005-50  
67269 Grünstadt

#### Dept. responsible for information:

Laboratory  
E-mail sicherheitsdaten@berger-lacke.de

### 1.4. Emergency telephone number

Emergency telephone number +49 6359 / 8005-70  
Only available during office hours.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 [CLP]

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

### 2.2. Label elements

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

#### Hazard pictograms

#### Hazard statements

not applicable

#### Precautionary statements

not applicable

#### Hazard components for labelling

not applicable

#### Supplemental Hazard information (EU)

EUH208 Contains 2-butanone oxime; phthalic anhydride; Cobalt-bis(2-ethylhexanoate). May produce an allergic reaction.

EUH210 Safety data sheet available on request.

#### Other information

**Read label before use. If medical advice is needed, have product container or label at hand. Keep out of reach of children.**

### 2.3. Other hazards

Spontaneous ignition possible through autoxidation of cloths soaked in the product. (The same applies to dust and other paint-soaked items). The product itself is not self ignitive.

#### Other information

**Read label before use. If medical advice is needed, have product container or label at hand. Keep out of reach of**

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children.

### SECTION 3: Composition / information on ingredients

#### 3.2. Mixtures

**Description** Oils/waxes, containing solvents, aromatics removed

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

EC No. CAS No. INDEX No.	REACH No. Designation classification // Remark	Wt %
918-167-1	01-2119472146-39-XXXX Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics Flam. Liq. 3 H226 / Asp. Tox. 1 H304	5 - 10
252-104-2 34590-94-8	01-2119450011-60-XXXX (2-methoxymethylethoxy)propanol	1 - 2,5
918-668-5 64742-95-6	01-2119455851-35-XXXX Hydrocarbons, C9, aromatics STOT SE 3 H335 / STOT SE 3 H336 / Asp. Tox. 1 H304 / Aquatic Chronic 2 H411 / Flam. Liq. 3 H226	1 - 2,5
205-250-6 136-52-7	01-2119524678-29-XXXX Cobalt-bis(2-ethylhexanoate) Eye Irrit. 2 H319 / Skin Sens. 1 H317 / Repr. 2 H361 / Aquatic Acute 1 H400 (M = 1) / Aquatic Chronic 3 H412	< 0,5
202-496-6 96-29-7 616-014-00-0	01-2119539477-28-XXXX 2-butanone oxime Carc. 2 H351 / Acute Tox. 4 H312 / Eye Dam. 1 H318 / Skin Sens. 1 H317	< 0,5

#### Additional information

Full text of classification: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

##### In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

##### Following skin contact

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

##### After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

##### After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

First Aid, decontamination, treatment of symptoms.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

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**Unsuitable extinguishing media**

strong water jet

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

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3. **Advice for firefighters**

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

**SECTION 6: Accidental release measures**

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

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours.

6.2. **Environmental precautions**

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

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

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

6.4. **Reference to other sections**

Observe protective provisions (see section 7 and 8).

**SECTION 7: Handling and storage**

7.1. **Precautions for safe handling**

**Advices on safe handling**

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilation facilities. Anti-static clothing including shoes are recommended. Floors must be electrically conductive. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

**Further information**

Vapours are heavier than air. Vapours form explosive mixtures with air.

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

**Requirements for storage rooms and vessels**

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSIVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRBS 2153)".

**Hints on joint storage**

Keep away from strongly acidic and alkaline materials as well as oxidizers.

**Further information on storage conditions**

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 25 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

7.3. **Specific end use(s)**

Observe technical data sheet. Observe instructions for use.

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

8.1. **Control parameters**

**Occupational exposure limit values:**

(2-methoxymethylethoxy)propanol  
EC No. 252-104-2 / CAS No. 34590-94-8

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WEL, TWA: 308 mg/m<sup>3</sup>; 50 ppm

**Additional information**

TWA : long-term occupational exposure limit value  
STEL : short-term occupational exposure limit value  
Ceiling : peak limitation

**DNEL:**

(2-methoxymethylethoxy)propanol

EC No. 252-104-2 / CAS No. 34590-94-8

DNEL long-term dermal (systemic), Workers: 283 mg/kg  
DNEL long-term inhalative (systemic), Workers: 308 mg/m<sup>3</sup>  
DNEL long-term dermal (systemic), Consumer: 121 mg/kg  
DNEL long-term inhalative (systemic), Consumer: 37,2 mg/m<sup>3</sup>  
DNEL long-term exposure oral (systemic effects), Consumer: 36 mg/kg

Hydrocarbons, C9, aromatics

EC No. 918-668-5 / CAS No. 64742-95-6

DNEL long-term dermal (systemic), Workers: 25 mg/kg  
DNEL long-term inhalative (systemic), Workers: 150 mg/m<sup>3</sup>  
DNEL long-term oral (repeated), Consumer: 11 mg/kg  
DNEL long-term dermal (systemic), Consumer: 11 mg/kg  
DNEL long-term inhalative (systemic), Consumer: 32 mg/m<sup>3</sup>

**PNEC:**

(2-methoxymethylethoxy)propanol

EC No. 252-104-2 / CAS No. 34590-94-8

PNEC aquatic, freshwater: 19 mg/l  
PNEC aquatic, marine water: 1,9 mg/l  
PNEC aquatic, intermittent release: 190 mg/l  
PNEC sediment, freshwater: 70,2 mg/kg  
PNEC sediment, marine water: 7,02 mg/kg  
PNEC, soil: 2,74 mg/kg  
PNEC sewage treatment plant (STP): 4168 mg/l

**8.2. Exposure controls**

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

**Personal protection equipment**

**Respiratory protection**

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

**Hand protection**

For prolonged or repeated handling the following glove material must be used: Butyl caoutchouc (butyl rubber)

Thickness of the glove material > 0,4 mm ; Breakthrough time (maximum wearing time) > 480 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles EN ISO 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

**Eye/face protection**

Wear closely fitting protective glasses in case of splashes.

**Body protection**

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

**Protective measures**

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

**Environmental exposure controls**

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

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<b>Appearance:</b>	
<b>Physical state:</b>	<b>Liquid</b>
<b>Colour:</b>	<b>refer to chapter 1.</b>
<b>Odour:</b>	<b>characteristic</b>
<b>Odour threshold:</b>	<b>not applicable</b>
<b>pH at 20 °C:</b>	<b>not applicable</b>
<b>Melting point/freezing point:</b>	<b>-83 °C</b> Source: (2-methoxymethylethoxy)propanol
<b>Initial boiling point and boiling range:</b>	<b>140 °C</b> Source: Hydrocarbons, C9, aromatics
<b>Flash point:</b>	<b>&gt; 61 °C</b>
<b>Evaporation rate:</b>	<b>not applicable</b>
<b>flammability</b>	
<b>Burning time (s):</b>	<b>not applicable</b>
<b>Upper/lower flammability or explosive limits:</b>	
<b>Lower explosion limit:</b>	<b>1,1 Vol-%</b>
<b>Upper explosion limit:</b>	<b>14 Vol-%</b> Source: (2-methoxymethylethoxy)propanol
<b>Vapour pressure at 20 °C:</b>	<b>0,9 mbar</b> Method: calculated. Source: Hydrocarbons, C9, aromatics
<b>Vapour density:</b>	<b>not applicable</b>
<b>Relative density:</b>	
<b>Density at 20 °C:</b>	<b>0,96 g/cm<sup>3</sup></b>
<b>Solubility(ies):</b>	
<b>Water solubility (g/L) at 20 °C:</b>	<b>insoluble</b>
<b>Partition coefficient: n-octanol/water:</b>	<b>see section 12</b>
<b>Auto-ignition temperature:</b>	<b>207 °C</b> Source: (2-methoxymethylethoxy)propanol
<b>Decomposition temperature:</b>	<b>not applicable</b>
<b>Viscosity at 20 °C:</b>	<b>28 s 4 mm</b> Method: DIN 53211
<b>Explosive properties:</b>	<b>not applicable</b>
<b>Oxidising properties:</b>	<b>not applicable</b>
9.2. <b>Other information</b>	
<b>Solid content (%):</b>	<b>85,18 Wt %</b>
<b>solvent content:</b>	
<b>Organic solvents:</b>	<b>15 Wt %</b>
<b>Water:</b>	<b>0 Wt %</b>
<b>Solvent separation test (%):</b>	<b>&lt; 3 Wt % (ADR/RID)</b>

## SECTION 10: Stability and reactivity

- 10.1. Reactivity**  
No information available.
- 10.2. Chemical stability**  
Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.
- 10.3. Possibility of hazardous reactions**  
Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.
- 10.4. Conditions to avoid**  
Hazardous decomposition byproducts may form with exposure to high temperatures.
- 10.5. Incompatible materials**

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not applicable

#### 10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

### SECTION 11: Toxicological information

Classification according to Regulation (EC) No 1272/2008 [CLP]  
No data on preparation itself available.

#### 11.1. Information on toxicological effects

##### Acute toxicity

(2-methoxymethylethoxy)propanol  
oral, LD50, Rat: > 5000 mg/kg  
dermal, LD50, Rabbit: > 5000 mg/kg

Hydrocarbons, C9, aromatics  
oral, LD50, Rat: > 2000 mg/kg  
dermal, LD50, Rabbit: > 2000 mg/kg

##### Skin corrosion/irritation; Serious eye damage/eye irritation

(2-methoxymethylethoxy)propanol  
Skin  
no irritation  
eyes: evaluation no irritation

Hydrocarbons, C9, aromatics  
Skin  
Repeated exposure may cause skin dryness or cracking.

##### Respiratory or skin sensitisation

(2-methoxymethylethoxy)propanol  
: ; evaluation No sensitising effect known

##### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

2-butanone oxime  
Carcinogenicity

Cobalt-bis(2-ethylhexanoate)  
Reproductive toxicity

##### STOT-single exposure; STOT-repeated exposure

(2-methoxymethylethoxy)propanol  
evaluation No data available

Hydrocarbons, C9, aromatics  
Specific target organ toxicity (single exposure), Irritation evaluation May cause respiratory irritation.  
Specific target organ toxicity (single exposure), drowsiness evaluation May cause drowsiness or dizziness.

##### Aspiration hazard

(2-methoxymethylethoxy)propanol  
Aspiration hazard; evaluation Represents no obvious danger of aspiration due to its physical properties

Hydrocarbons, C9, aromatics  
Aspiration hazard

Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics  
Aspiration hazard

##### Practical experience/human evidence

##### Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

### SECTION 12: Ecological information

Classification according to Regulation (EC) No 1272/2008 [CLP]  
There is no information available on the preparation itself .  
Do not allow to enter into surface water or drains.

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#### 12.1. Toxicity

(2-methoxymethylethoxy)propanol

Fish toxicity, LC50, Pimephales promelas (fathead minnow): 10000 mg/l (96 h)

Daphnia toxicity, EC50, Daphnia magna (Big water flea): 1919 mg/l (48 h)

Hydrocarbons, C9, aromatics

Daphnia toxicity, EC50 1 - 10 mg/l (48 h); evaluation estimated

Fish toxicity, LC50 1 - 10 mg/l; evaluation estimated

Algae toxicity, EC50 1 - 10 mg/l; evaluation estimated

Bacteria toxicity, EC50: > 100 mg/l ; evaluation estimated

#### Long-term Ecotoxicity

Hydrocarbons, C9, aromatics

Fish toxicity, LC50 (96 h)

Daphnia toxicity, NOEC

#### 12.2. Persistence and degradability

(2-methoxymethylethoxy)propanol

: 75 % (28 D); evaluation Readily biodegradable (according to OECD criteria).

Method: OECD F

: 93 % (13 D)

Method: OECD 302B/ ISO 9888/ EEC 92/69/V, C.9

Hydrocarbons, C9, aromatics

:

#### 12.3. Bioaccumulative potential

(2-methoxymethylethoxy)propanol

Partition coefficient: n-octanol/water: 1,01

#### 12.4. Mobility in soil

(2-methoxymethylethoxy)propanol

: evaluation No data available

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

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### 12.6. Other adverse effects

No information available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Appropriate disposal / Product Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

##### List of proposed waste codes/waste designations in accordance with EWC

080112 waste paint and varnish other than those mentioned in 08 01 11

##### Appropriate disposal / Package Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

### SECTION 14: Transport information

No dangerous good in sense of this transport regulation.

#### 14.1. UN number

not applicable

#### 14.2. UN proper shipping name

#### 14.3. Transport hazard class(es)

not applicable

**Safety Data Sheet**  
 according to Regulation (EC) No. 1907/2006 (REACH)  
 according to Regulation (EU) 2015/830



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**14.4. Packing group**

not applicable

**14.5. Environmental hazards**

Land transport (ADR/RID) not applicable

Marine pollutant not applicable

**14.6. Special precautions for user**

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

**Further information**

**Land transport (ADR/RID)**

tunnel restriction code -

**Sea transport (IMDG)**

EmS-No. not applicable

**Air transport (ICAO-TI / IATA-DGR)**

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

not applicable

**SECTION 15: Regulatory information**

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

**EU legislation**

**Directive 2010/75/EU on industrial emissions**

VOC-value (in g/L): 143

**Directive 2004/42/EC on the limitation of emissions of volatile organic compounds**

VOC product category: (Cat. A/f) ; VOC limit value: 700 g/l

Maximum VOC content (g/L) of the product in a ready to use condition: 143

**National regulations**

**Restrictions of occupation**

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

MAL-Kode (MAL Kode ready-to-use):

PR-No.:

**15.2. Chemical Safety Assessment**

For the following substances of this mixture a chemical safety assessment has been carried out:

EC No. CAS No.	Designation	REACH No.
918-167-1	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	01-2119472146-39-XXXX
252-104-2	(2-methoxymethylethoxy)propanol	01-2119450011-60-XXXX
34590-94-8		
918-668-5	Hydrocarbons, C9, aromatics	01-2119455851-35-XXXX
64742-95-6		
205-250-6	Cobalt-bis(2-ethylhexanoate)	01-2119524678-29-XXXX
136-52-7		
202-496-6	2-butanone oxime	01-2119539477-28-XXXX
96-29-7		

**SECTION 16: Other information**

**Full text of classification in section 3**

Flam. Liq. 3 / H226	Flammable liquids	Flammable liquid and vapour.
Asp. Tox. 1 / H304	Aspiration hazard	May be fatal if swallowed and enters airways.
STOT SE 3 / H335	Specific target organ toxicity (single exposure)	May cause respiratory irritation.
STOT SE 3 / H336	Specific target organ toxicity (single exposure)	May cause drowsiness or dizziness.



**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2015/830



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Aquatic Chronic 2 / H411	exposure) Hazardous to the aquatic environment	Toxic to aquatic life with long lasting effects.
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.
Skin Sens. 1 / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.
Repr. 2 / H361	Reproductive toxicity	Suspected of damaging fertility.
Aquatic Acute 1 / H400	Hazardous to the aquatic environment	Very toxic to aquatic organisms.
Aquatic Chronic 3 / H412	Hazardous to the aquatic environment	Harmful to aquatic life with long lasting effects.
Carc. 2 / H351	Carcinogenicity	Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
Acute Tox. 4 / H312	Acute toxicity (dermal)	Harmful in contact with skin.
Eye Dam. 1 / H318	Serious eye damage/eye irritation	Causes serious eye damage.

**Abbreviations and acronyms**

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
OEL	Occupational Exposure Limit Value
BLV	Biological Limit Value
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	Carcinogenic, Mutagenic and Reprotoxic
DIN	German Institute for Standardization / German industrial standard
DNEL	Derived No-Effect Level
EAKV	European Waste Catalogue Directive
EC	Effective Concentration
EC	European Community
EN	European Standard
IATA-DGR	International Air Transport Association – Dangerous Goods Regulations
IBC Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO-TI	International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG Code	International Maritime Code for Dangerous Goods
ISO	International Organization for Standardization
LC	Lethal Concentration
LD	Lethal Dose
MARPOL	Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OECD	Organisation for Economic Cooperation and Development
PBT	persistent, bioaccumulative, toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
UN	United Nations
VOC	Volatile Organic Compounds
vPvB	very persistent and very bioaccumulative

**Further information**

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

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.