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

1.1 Product identifier
Identification of the substance
Calcium carbide

Article number
6667

Registration number (REACH)
01-2119494719-18-xxxx

Index No
006-004-00-9

EC number
200-848-3

CAS number
75-20-7

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

1.3 Details of the supplier of the safety data sheet
Carl Roth GmbH + Co KG
Schoemperlenstr. 3-5
D-76185 Karlsruhe
Germany

Telephone: +49 (0) 721 - 56 06 0
Telefax: +49 (0) 721 - 56 06 149
e-mail: sicherheit@carlroth.de
Website: www.carlroth.de

Competent person responsible for the safety data sheet: Department Health, Safety and Environment

e-mail (competent person): sicherheit@carlroth.de

1.4 Emergency telephone number
Emergency information service
Poison Centre Munich: +49/(0)89 19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification Hazardous Products Regulations
This mixture does not meet the criteria for classification.

<table>
<thead>
<tr>
<th>Classification acc. to GHS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Section</strong></td>
</tr>
<tr>
<td>2.12</td>
</tr>
<tr>
<td>3.2</td>
</tr>
<tr>
<td>3.3</td>
</tr>
</tbody>
</table>
2.2  Label elements

Labelling GHS

**Signal word**  Danger

**Pictograms**

![Pictogram](image)

**Hazard statements**

- H260: In contact with water releases flammable gases which may ignite spontaneously
- H315: Causes skin irritation
- H318: Causes serious eye damage

**Precautionary statements**

**Precautionary statements - prevention**

Handle under inert gas. Protect from moisture.
Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary statements - response**

IF ON SKIN: Wash with plenty of water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.
In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.

**Precautionary statements - storage**

Store in a dry place. Store in a closed container.

**Precautionary statements - disposal**

Dispose of contents/container to industrial combustion plant.

**Hazardous ingredients for labelling:** Calcium oxide

**Labelling of packages where the contents do not exceed 125 ml**

**Signal word:** Danger

**Symbol(s)**

![Symbol](image)

- H318: Causes serious eye damage.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
contains: Calcium oxide

2.3 Other hazards

There is no additional information.
SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description of the mixture
Composition/information on ingredients.

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>Identifier</th>
<th>wt%</th>
<th>Classification acc. to 1272/2008/EC</th>
<th>Pictograms</th>
</tr>
</thead>
<tbody>
<tr>
<td>calcium carbide</td>
<td>CAS No 75-20-7</td>
<td>≥ 80</td>
<td>Water-react. 1 / H260</td>
<td>![Flame]</td>
</tr>
<tr>
<td></td>
<td>EC No 200-848-3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Index No 006-004-00-9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>REACH Reg. No 01-2119494719-18-XXXX</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calcium oxide</td>
<td>CAS No 1305-78-8</td>
<td>10 - &lt; 20</td>
<td>Skin Irrit. 2 / H315 Eye Dam. 1 / H318 STOT SE 3 / H335</td>
<td>![Exclamation] ![Exclamation]</td>
</tr>
<tr>
<td></td>
<td>EC No 215-138-9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>REACH Reg. No 01-2119475325-36-xxxxx</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks
For full text of Hazard- and EU Hazard-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes
Take off contaminated clothing.

Following inhalation
Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.

Following skin contact
Rinse skin with water/shower. In case of skin irritation, consult a physician.

Following eye contact
In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.
Rinse mouth. Do not induce vomiting. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed
Risk of blindness, Nausea, Risk of serious damage to eyes, Irritation, Vomiting

4.3 Indication of any immediate medical attention and special treatment needed
none

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media
Co-ordinate fire-fighting measures to the fire surroundings
dry extinguishing powder, carbon dioxide (CO2), dry sand

Unsuitable extinguishing media
water, foam

5.2 Special hazards arising from the substance or mixture
Non-combustible.

Hazardous combustion products
In case of fire may be liberated: carbon monoxide (CO), carbon dioxide (CO2), May produce toxic
fumes of carbon monoxide if burning. Acetylen

5.3 Advice for firefighters
Fight fire with normal precautions from a reasonable distance. Wear self-contained breathing appar-
atus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
For non-emergency personnel
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.
Do not breathe dust. Avoid contact with skin, eyes and clothes.

6.2 Environmental precautions
Keep away from drains, surface and ground water.

6.3 Methods and material for containment and cleaning up
Advises on how to contain a spill
Covering of drains.
Advises on how to clean up a spill
Take up mechanically. Control of dust. Take up carefully when dry.
Other information relating to spills and releases
Place in appropriate containers for disposal. Ventilate affected area.
6.4 Reference to other sections

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Provide adequate ventilation.

Advice on general occupational hygiene
Wash hands before breaks and after work. Keep away from food, drink and animal feedingstuffs. When using do not smoke.

7.2 Conditions for safe storage, including any incompatibilities
Store in a dry place. Keep only in the original container. Keep under inert gas.

Incompatible substances or mixtures
Observe hints for combined storage. Do not allow contact with water.

Consideration of other advice
• Ventilation requirements
Use local and general ventilation.

• Specific designs for storage rooms or vessels
Recommended storage temperature: 15 - 25 °C.

7.3 Specific end use(s)
No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

Occupational exposure limit values (Workplace Exposure Limits)

<table>
<thead>
<tr>
<th>Country</th>
<th>Name of agent</th>
<th>CAS No</th>
<th>Notation</th>
<th>Identifier</th>
<th>TWA [mg/m³]</th>
<th>STEL [mg/m³]</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>CA</td>
<td>calcium oxide</td>
<td>1305-78-8</td>
<td>OEL (AB)</td>
<td>2</td>
<td></td>
<td></td>
<td>OHS Code</td>
</tr>
<tr>
<td>CA</td>
<td>calcium oxide</td>
<td>1305-78-8</td>
<td>OEL (BC)</td>
<td>2</td>
<td></td>
<td></td>
<td>“BC Regulation”</td>
</tr>
<tr>
<td>CA</td>
<td>calcium oxide</td>
<td>1305-78-8</td>
<td>PEV/VEA</td>
<td>2</td>
<td></td>
<td></td>
<td>Regulation OHS</td>
</tr>
</tbody>
</table>

Notation

STEL: 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

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

Relevant DNELs/DMELs/PNECs and other threshold levels

• relevant DNELs of components of the mixture
Use safety goggles with side protection.

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

**NBR (Nitrile rubber)**

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Test Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>0,4 mm</td>
<td>&gt;480 minutes</td>
</tr>
</tbody>
</table>

Breakthrough times of the glove material:

- 480 minutes (permeation: level 6)

**Other protection measures**

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended.

---

### Exposure controls

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

**Eye/face protection**

Use safety goggles with side protection.

**Skin protection**

- **hand protection**
  Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. 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.

- **type of material**
  NBR (Nitrile rubber)

- **material thickness**
  0,4 mm

- **breakthrough times of the glove material**
  >480 minutes (permeation: level 6)

- **other protection measures**
  Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended.

---

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>Endpoint</th>
<th>Threshold level</th>
<th>Environmental compartment</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium oxide</td>
<td>1305-78-8</td>
<td>DNEL</td>
<td>1 mg/m³</td>
<td>human, inhalatory</td>
<td>worker (industry) chronic - local effects</td>
</tr>
<tr>
<td>Calcium oxide</td>
<td>1305-78-8</td>
<td>DNEL</td>
<td>4 mg/m³</td>
<td>human, inhalatory</td>
<td>worker (industry) acute - local effects</td>
</tr>
</tbody>
</table>

---

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>Endpoint</th>
<th>Threshold level</th>
<th>Environmental compartment</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium oxide</td>
<td>1305-78-8</td>
<td>PNEC</td>
<td>0.37 mg/l</td>
<td>freshwater</td>
<td>short-term (single instance)</td>
</tr>
<tr>
<td>Calcium oxide</td>
<td>1305-78-8</td>
<td>PNEC</td>
<td>0.24 mg/l</td>
<td>marine water</td>
<td>short-term (single instance)</td>
</tr>
<tr>
<td>Calcium oxide</td>
<td>1305-78-8</td>
<td>PNEC</td>
<td>2.27 mg/l</td>
<td>sewage treatment plant (STP)</td>
<td>short-term (single instance)</td>
</tr>
<tr>
<td>Calcium oxide</td>
<td>1305-78-8</td>
<td>PNEC</td>
<td>817.4 mg/kg</td>
<td>soil</td>
<td>short-term (single instance)</td>
</tr>
</tbody>
</table>
Respiratory protection
Respiratory protection necessary at: Dust formation. Particulate filter device (EN 143). P2 (filters at least 94 % of airborne particles, colour code: White).

Environmental exposure controls
Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance
Physical state solid
Colour dark grey
Odour like: garlic
Odour threshold No data available

Other physical and chemical parameters
pH (value) This information is not available.
Melting point/freezing point 2,160 °C
Initial boiling point and boiling range This information is not available.
Flash point not applicable
Evaporation rate no data available
Flammability (solid, gas) Non-flammable

Explosive limits
• lower explosion limit (LEL) 1.5 vol%
• upper explosion limit (UEL) 95.4 vol%
Explosion limits of dust clouds these information are not available
Vapour pressure 0 hPa at 20 °C
Density 2.22 g/cm³ at 20 °C
Vapour density This information is not available.
Relative density Information on this property is not available.
Solubility(ies)
Water solubility 1,600 mg/l at 20 °C, Hydrolysis
Partition coefficient n-octanol/water (log KOW) 0.37 (ECHA)
Auto-ignition temperature Information on this property is not available.
Decomposition temperature no data available
Viscosity not relevant (solid matter)
Explosive properties Shall not be classified as explosive
Oxidising properties none
9.2 Other information
There is no additional information.

Particle size: 7 - 20 mm

SECTION 10: Stability and reactivity

10.1 Reactivity
Risk of ignition.

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
Material reacts vigorously with water emitting flammable gases. Violent reaction with: Bases, Methanol, Oxidisers, Acids

10.4 Conditions to avoid
Keep away from heat. Protect from moisture.

10.5 Incompatible materials
copper, silver

10.6 Hazardous decomposition products
Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity
Shall not be classified as acutely toxic.

<table>
<thead>
<tr>
<th>Exposure route</th>
<th>Endpoint</th>
<th>Value</th>
<th>Species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>oral</td>
<td>LD50</td>
<td>&gt;2,000 mg/kg</td>
<td>rat</td>
<td>ECHA</td>
</tr>
<tr>
<td>dermal</td>
<td>LD50</td>
<td>&gt;2,500 mg/kg</td>
<td>rabbit</td>
<td>ECHA</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation
Causes skin irritation.

Serious eye damage/eye irritation
Causes serious eye damage.

Respiratory or skin sensitisation
Shall not be classified as a respiratory or skin sensitizer.

Summary of evaluation of the CMR properties
Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant

• Specific target organ toxicity - single exposure
Shall not be classified as a specific target organ toxicant (single exposure).
• Specific target organ toxicity - repeated exposure
Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard
Shall not be classified as presenting an aspiration hazard.

Symptoms related to the physical, chemical and toxicological characteristics
• If swallowed
vomiting, nausea
• If in eyes
Causes serious eye damage, risk of blindness
• If inhaled
data are not available
• If on skin
causes skin irritation

Other information
None

SECTION 12: Ecological information

12.1 Toxicity
acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment.

Aquatic toxicity (acute)

Aquatic toxicity (acute) of components of the mixture

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>Endpoint</th>
<th>Value</th>
<th>Species</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium oxide</td>
<td>1305-78-8</td>
<td>LC50</td>
<td>158 mg/l</td>
<td>aquatic invertebrates</td>
<td>96 h</td>
</tr>
<tr>
<td>Calcium oxide</td>
<td>1305-78-8</td>
<td>ErC50</td>
<td>184.6 mg/l</td>
<td>algae</td>
<td>72 h</td>
</tr>
</tbody>
</table>

Aquatic toxicity (chronic)

Aquatic toxicity (chronic) of components of the mixture

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>Endpoint</th>
<th>Value</th>
<th>Species</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium oxide</td>
<td>1305-78-8</td>
<td>LC50</td>
<td>53.1 mg/l</td>
<td>aquatic invertebrates</td>
<td>14 d</td>
</tr>
<tr>
<td>Calcium oxide</td>
<td>1305-78-8</td>
<td>EC50</td>
<td>300.4 mg/l</td>
<td>microorganisms</td>
<td>3 h</td>
</tr>
</tbody>
</table>

12.2 Process of degradability
The methods for determining the biological degradability are not applicable to inorganic substances.
12.3 **Bioaccumulative potential**
Do not significantly accumulate in organisms.

n-octanol/water (log KOW)  0.37

12.4 **Mobility in soil**
Data are not available.

12.5 **Results of PBT and vPvB assessment**
Data are not available.

12.6 **Other adverse effects**
Data are not available.

**SECTION 13: Disposal considerations**

13.1 **Waste treatment methods**
This material and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Sewage disposal-relevant information**
Do not empty into drains.

**Waste treatment of containers/packagings**
It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used.

13.2 **Relevant provisions relating to waste**
The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

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

**SECTION 14: Transport information**

14.1 UN number  1402

14.2 UN proper shipping name  **CALCIUM CARBIDE**

14.3 Hazardous ingredients
Calcium carbide

14.3 Transport hazard class(es)
Class  4.3 (substances which, in contact with water, emit flammable gases)

14.4 Packing group  I (substance presenting high danger)

14.5 Environmental hazards  **none** (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 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)
  
  | UN number       | 1402          |
  | Proper shipping name | CALCIUM CARBIDE |
  | Particulars in the transport document | UN1402, CALCIUM CARBIDE, 4.3, I, (B/E) |
  | Class           | 4.3           |
  | Classification code | W2           |
  | Packing group   | I             |
  | Danger label(s) | 4.3           |

- Excepted quantities (EQ) | E0 |
- Limited quantities (LQ) | 0  |
- Transport category (TC) | 1  |
- Tunnel restriction code (TRC) | B/E |
- Hazard identification No | X423 |

- International Maritime Dangerous Goods Code (IMDG)

  | UN number       | 1402          |
  | Proper shipping name | CALCIUM CARBIDE |
  | Particulars in the shipper's declaration | UN1402, CALCIUM CARBIDE, 4.3, I |
  | Class           | 4.3           |
  | Packing group   | I             |
  | Danger label(s) | 4.3           |

- Special provisions (SP) | 951 |
- Excepted quantities (EQ) | E0 |
- Limited quantities (LQ) | 0  |
- EmS | F-G, S-N |
- Stowage category | B |
Calcium carbide techn., 7-20 mm

class number: 6667

- International Civil Aviation Organization (ICAO-IATA/DGR)
  UN number 1402
  Proper shipping name Calcium carbide
  Particulars in the shipper's declaration UN1402, Calcium carbide, 4.3, I
  Class 4.3
  Packing group I
  Danger label(s) 4.3

  Excepted quantities (EQ) E0

SECTION 15: Regulatory information

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

National regulations (United States)

Toxic Substance Control Act (TSCA)
None of the ingredients are listed.
List of Extremely Hazardous Substances (40 CFR 355) (EPCRA Section 302)
None of the ingredients are listed.

CERCLA

Section 102(A) Hazardous Substances (40 CFR 302.4)

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>Wt%</th>
<th>Remarks</th>
<th>Statutory code</th>
<th>RCRA waste No.</th>
<th>Final RQ pounds (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium carbide</td>
<td>75-20-7</td>
<td>82</td>
<td></td>
<td>1</td>
<td></td>
<td>10 (4,54)</td>
</tr>
</tbody>
</table>

Legend
1 "1" indicates that the statutory source is section 311(b)(2) of the Clean Water Act

Clean Air Act
None of the ingredients are listed.

New Jersey Worker and Community Right to Know Act N.J.S.A. 34:5A-1 et. seq.

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>Wt%</th>
<th>Remarks</th>
<th>Classifications</th>
<th>Listed in</th>
<th>Substance number</th>
<th>DOT number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium oxide</td>
<td>1305-78-8</td>
<td>18</td>
<td></td>
<td>CO R1</td>
<td>1 2 3 4 15 17</td>
<td>0325</td>
<td>1910</td>
</tr>
<tr>
<td>Calcium carbide</td>
<td>75-20-7</td>
<td>82</td>
<td></td>
<td>F3 R2</td>
<td>3 15 17 20</td>
<td>0312</td>
<td>1402</td>
</tr>
</tbody>
</table>

Legend
**Safety data sheet**

Hazardous Products Regulations (HPR)

**Calcium carbide techn., 7-20 mm**

article number: 6667

---

**Legend**


2. "2009 TLVs® and BEIs®, Threshold Limit Values and Biological Exposure Indices," American Conference of Governmental Industrial Hygienists (ACGIH), 2009.


**California Environmental Protection Agency (Cal/EPA): Proposition 65 Chemicals known to the State to cause cancer or reproductive toxicity**

None of the ingredients are listed.

**Industry or sector specific available guidance(s)**

NPCA-HMIS® III


<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chronic</td>
<td>/</td>
<td>none</td>
</tr>
<tr>
<td>Health</td>
<td>3</td>
<td>major injury likely unless prompt action is taken and medical treatment is given</td>
</tr>
<tr>
<td>Flammability</td>
<td>1</td>
<td>material that must be preheated before ignition can occur</td>
</tr>
<tr>
<td>Physical hazard</td>
<td>2</td>
<td>material that is unstable and may undergo violent chemical changes at normal temperature and pressure with low risk for explosion. Material may react violently with water or form peroxides upon exposure to air</td>
</tr>
</tbody>
</table>

**NFPA® 704**


<table>
<thead>
<tr>
<th>Category</th>
<th>Degree of hazard</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>1</td>
<td>material that must be preheated before ignition can occur</td>
</tr>
<tr>
<td>Health</td>
<td>3</td>
<td>material that, under emergency conditions, can cause serious or permanent injury</td>
</tr>
<tr>
<td>Instability</td>
<td>2</td>
<td>material that readily undergoes violent chemical change at elevated temperatures and pressures</td>
</tr>
<tr>
<td>Special hazard</td>
<td>W</td>
<td>material that can form potentially explosive mixtures with water</td>
</tr>
</tbody>
</table>

---

**Corrosive**

**Flammable - Third Degree**

**Reactive - First Degree**

**Reactive - Second Degree**
All ingredients are listed.

National inventories
- EINECS/ELINCS/NLP (Europe)
- DSL/NDSL (Canada)
- Toxic Substance Control Act (TSCA)

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

Abbreviations and acronyms

<table>
<thead>
<tr>
<th>Abbr.</th>
<th>Descriptions of used abbreviations</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;BC Regulation&quot;</td>
<td>OHS Regulation: Section 5.48 (British Columbia)</td>
</tr>
<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>
<tr>
<td>CAS</td>
<td>Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)</td>
</tr>
<tr>
<td>CERCLA</td>
<td>CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act)</td>
</tr>
<tr>
<td>CMR</td>
<td>Carcinogenic, Mutagenic or toxic for Reproduction</td>
</tr>
<tr>
<td>DGR</td>
<td>Dangerous Goods Regulations (see IATA/DGR)</td>
</tr>
<tr>
<td>DMEL</td>
<td>Derived Minimal Effect Level</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>EmS</td>
<td>Emergency Schedule</td>
</tr>
<tr>
<td>Eye Dam.</td>
<td>seriously damaging to the eye</td>
</tr>
<tr>
<td>Eye Irrit.</td>
<td>irritant to the eye</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>index No</td>
<td>the Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008</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>
</tbody>
</table>
The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

### Key literature references and sources for data
- Hazardous Products Regulations (HPR)
- UN Recommendations on the Transport of Dangerous Good
- Dangerous Goods Regulations (DGR) for the air transport (IATA)
- International Maritime Dangerous Goods Code (IMDG)

### 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>H260</td>
<td>in contact with water releases flammable gases which may ignite spontaneously</td>
</tr>
<tr>
<td>H315</td>
<td>causes skin irritation</td>
</tr>
<tr>
<td>H318</td>
<td>causes serious eye damage</td>
</tr>
<tr>
<td>H335</td>
<td>may cause respiratory irritation</td>
</tr>
</tbody>
</table>

### Disclaimer
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