

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

- **1.1 Product identifier**
- **Trade name:** CarboLith PL Komp. C
- **Article number:** KCH 900401\_1
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use**  
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)  
SU19 Building and construction work
- **Product category** PC1 Adhesives, sealants
- **Application of the substance / the mixture** Activator
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Minova Ekochem S.A.  
ul. Budowlana 10  
41-100 SIEMIANOWICE SLASKIE  
POLAND  
tel. +48(32)75-03-800  
fax. +48(32)75-03-801  
sds.europe@minovaglobal.com
- **Further information obtainable from:** Technology Department
- **1.4 Emergency telephone number:**  
7.00-15.00: +48 (32) 75 03 800  
112

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



health hazard

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.



corrosion

Skin Corr. 1B H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.



Acute Tox. 4 H302 Harmful if swallowed.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05



GHS07



GHS08

- **Signal word** Danger
- **Hazard-determining components of labelling:**  
ethanediol

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 17.06.2021

Version number 5.0

Revision: 17.06.2021

**Trade name: CarboLith PL Komp. C**

(Contd. of page 1)

*D-Glucopyranose, oligomers, decyl octyl glycosides*

*1,1,3,3-tetramethylguanidine*

*dimetyloaminoetoksyetanol*

· **Hazard statements**

*H302 Harmful if swallowed.*

*H314 Causes severe skin burns and eye damage.*

*H373 May cause damage to organs through prolonged or repeated exposure.*

· **Precautionary statements**

*P260 Do not breathe mist/vapours/spray.*

*P264 Wash thoroughly after handling.*

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

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

*P501 Dispose of contents/container in accordance with local/regional/national/international regulations.*

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

|  |  |         |
|--|--|---------|
| CAS: 107-21-1<br>EINECS: 203-473-3<br>Index number: 603-027-00-1<br>Reg.nr.: 01-2119456816-28-xxxx | <i>ethanediol</i><br>⚠ STOT RE 2, H373; ⚠ Acute Tox. 4, H302   | >50%    |
| CAS: 1704-62-7<br>EINECS: 216-940-1<br>Reg.nr.: 01-2119976346-26-xxxx                              | <i>dimetyloaminoetoksyetanol</i><br>⚠ Skin Corr. 1C, H314; Eye Dam. 1, H318; ⚠ Acute Tox. 4, H312                              | 2.5-10% |
| CAS: 80-70-6<br>EINECS: 201-302-7<br>Reg.nr.: 01-2120108945-53-xxxx                                | <i>1,1,3,3-tetramethylguanidine</i><br>⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 3, H331; ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302 | 2.5-10% |
| CAS: 68515-73-1<br>NLP: 500-220-1<br>Reg.nr.: 01-2119488530-36-xxxx                                | <i>D-Glucopyranose, oligomers, decyl octyl glycosides</i><br>⚠ Eye Dam. 1, H318  | >20.0%  |

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **General information:**

*Immediately remove any clothing soiled by the product.*

*Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.*

· **After inhalation:** *In case of unconsciousness place patient stably in side position for transportation.*

· **After skin contact:** *Immediately wash with water and soap and rinse thoroughly.*

· **After eye contact:** *Rinse opened eye for several minutes under running water. Then consult a doctor.*

· **After swallowing:**

*Call for a doctor immediately.*

*Drink plenty of water and provide fresh air. Call for a doctor immediately.*

· **4.2 Most important symptoms and effects, both acute and delayed** *No further relevant information available.*

(Contd. on page 3)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 17.06.2021

Version number 5.0

Revision: 17.06.2021

**Trade name: CarboLith PL Komp. C**

(Contd. of page 2)

- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### **SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

### **SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**  
Do not allow to enter sewers/ surface or ground water.  
Prevent seepage into sewage system, workpits and cellars.  
Dilute with plenty of water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralising agent.  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### **SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Store in dry conditions.  
Keep container tightly sealed.
- **Storage class:** 8 A
- **7.3 Specific end use(s)** No further relevant information available.

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

- **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

**107-21-1 ethanediol**

|     |  |
|-----|--|
| WEL | Short-term value: 104** mg/m <sup>3</sup> , 40** ppm   |
|     | Long-term value: 10* 52** mg/m <sup>3</sup> , 20** ppm |
|     | Sk *particulate **vapour                               |

(Contd. on page 4)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 17.06.2021

Version number 5.0

Revision: 17.06.2021

**Trade name: CarboLith PL Komp. C**

(Contd. of page 3)

**· DNELs**
**107-21-1 ethanediol**

|            |              |   |
|------------|--------------|---|
| Dermal     | DNEL chronic | 53 mg/kg (Consumer)<br>106 mg/kg (Worker)                       |
| Inhalative | DNEL chronic | 7 mg/m <sup>3</sup> (Consumer)<br>35 mg/m <sup>3</sup> (Worker) |

**· PNECs**
**107-21-1 ethanediol**

|             |   |
|-------------|---|
| PNEC water  | 10 mg/l (Fresh water)<br>1 mg/l (Sea water) |
| PNEC sludge | 20.9 mg/kg (-)                              |
| PNEC soil   | 1.53 mg/kg (-)                              |
| PNEC-STP    | 199 mg/l (Bacterium /Activated Sludge/)     |

· **Additional information:** The lists valid during the making were used as basis.

**· 8.2 Exposure controls**

· **Appropriate engineering controls** No further data; see item 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

· **Respiratory protection:**

Not required.

Use suitable respiratory protective device when high concentrations are present.

Selection and use of respiratory protective equipment according to EN 529.

Filter A/P2

Use respiratory protective equipment according to EN 405.

· **Hand protection**



Protective gloves

Use gloves for protection against chemical hazards according to EN 374.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

Fluorocarbon rubber (Viton)

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye/face protection**



Tightly sealed goggles

(Contd. on page 5)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 17.06.2021

Version number 5.0

Revision: 17.06.2021

Trade name: CarboLith PL Komp. C

(Contd. of page 4)

Use eye protection according to EN 166.  
· **Body protection:** Protective work clothing

### SECTION 9: Physical and chemical properties

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

##### · General Information

|   |                              |
|---|------------------------------|
| · <b>Colour:</b>  | Light brown                  |
| · <b>Odour:</b>   | Amine-like                   |
| · <b>Odour threshold:</b>   | Not determined.              |
| · <b>Melting point/freezing point:</b>                            | Undetermined.                |
| · <b>Boiling point or initial boiling point and boiling range</b> | 197 °C                       |
| · <b>Flammability</b>   | Not applicable.              |
| · <b>Lower and upper explosion limit</b>                          |                              |
| · <b>Lower:</b>   | Not determined.              |
| · <b>Upper:</b>   | Not determined.              |
| · <b>Flash point:</b>   | >90 °C                       |
| · <b>Auto-ignition temperature:</b>                               | Product is not selfigniting. |
| · <b>Decomposition temperature:</b>                               | Not determined.              |
| · <b>pH at 20 °C</b>  | 12.4 (9/1 Me/H20)            |
| · <b>Viscosity:</b>   |                              |
| · <b>Kinematic viscosity</b>                                      | Not determined.              |
| · <b>Dynamic at 20 °C:</b>  | 40 mPas                      |
| · <b>Solubility</b>   |                              |
| · <b>water:</b>   | Fully miscible.              |
| · <b>Partition coefficient n-octanol/water (log value)</b>        | Not determined.              |
| · <b>Vapour pressure at 20 °C:</b>                                | 0.1 hPa                      |
| · <b>Density and/or relative density</b>                          |                              |
| · <b>Density at 20 °C:</b>  | 1.16 g/cm <sup>3</sup>       |
| · <b>Relative density</b>   | Not determined.              |
| · <b>Vapour density</b>   | Not determined.              |

#### · 9.2 Other information

|  |   |
|--|---|
| · <b>Appearance:</b>   |   |
| · <b>Form:</b>   | Liquid  |
| · <b>Important information on protection of health and environment, and on safety.</b> |   |
| · <b>Explosive properties:</b>   | Product is not explosive. However, formation of explosive air/vapour mixtures are possible. |
| · <b>Solvent content:</b>  |   |
| · <b>Organic solvents:</b>   | 0.0 %   |
| · <b>VOC (EC)</b>  | 0.00 %  |
| · <b>Change in condition</b>   |   |
| · <b>Evaporation rate</b>  | Not determined.   |

#### · Information with regard to physical hazard classes

|  |      |
|--|------|
| · <b>Explosives</b>                            | Void |
| · <b>Flammable gases</b>                       | Void |
| · <b>Aerosols</b>                              | Void |
| · <b>Oxidising gases</b>                       | Void |
| · <b>Gases under pressure</b>                  | Void |
| · <b>Flammable liquids</b>                     | Void |
| · <b>Flammable solids</b>                      | Void |
| · <b>Self-reactive substances and mixtures</b> | Void |
| · <b>Pyrophoric liquids</b>                    | Void |
| · <b>Pyrophoric solids</b>                     | Void |

(Contd. on page 6)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 17.06.2021

Version number 5.0

Revision: 17.06.2021

Trade name: CarboLith PL Komp. C

(Contd. of page 5)

- |  |      |
|--|------|
| · <b>Self-heating substances and mixtures</b>                                      | Void |
| · <b>Substances and mixtures, which emit flammable gases in contact with water</b> | Void |
| · <b>Oxidising liquids</b>   | Void |
| · <b>Oxidising solids</b>  | Void |
| · <b>Organic peroxides</b>   | Void |
| · <b>Corrosive to metals</b>   | Void |
| · <b>Desensitised explosives</b>   | Void |

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

· **Acute toxicity**  
Harmful if swallowed.

- **LD/LC50 values relevant for classification:**

#### 107-21-1 ethanediol

|            |         |                                |
|------------|---------|--------------------------------|
| Oral       | LD50    | 5840 mg/kg (rat)               |
| Dermal     | LD50    | 9530 mg/kg (Rabbit)            |
| Inhalative | LC50/8h | 10876 mg/dm <sup>3</sup> (rat) |

- **Skin corrosion/irritation**  
Causes severe skin burns and eye damage.
- **Serious eye damage/irritation**  
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure**  
May cause damage to organs through prolonged or repeated exposure.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

### SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

#### 107-21-1 ethanediol

|          |   |
|----------|---|
| IC50/96h | 6500-13000 mg/l (Pseudokirchneriella subcapitata) |
|----------|---|

(Contd. on page 7)



**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 17.06.2021

Version number 5.0

Revision: 17.06.2021

**Trade name: CarboLith PL Komp. C**

(Contd. of page 6)


|            |                               |
|------------|-------------------------------|
| EC50/48h   | 13900-57600 mg/l (daphnia)    |
| LC50/96h   | 72860 mg/l (Pimephales magna) |
| NOEC/7days | 8590 mg/l (Cerodaphnia dubia) |
|            | 15380 mg/l (Pimephales magna) |

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
Must not reach sewage water or drainage ditch undiluted or unneutralised.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

- |  |   |
|--|---|
| · <b>14.1 UN number or ID number</b><br>· <b>ADR, IMDG, IATA</b>   | UN3267  |
| · <b>14.2 UN proper shipping name</b><br>· <b>ADR</b><br>· <b>IMDG, IATA</b>   | 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.<br>(1,1,3,3-tetramethylguanidine)<br>CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.<br>(1,1,3,3-tetramethylguanidine) |
| · <b>14.3 Transport hazard class(es)</b><br>· <b>ADR, IMDG, IATA</b>   |   |
|   |   |
| · <b>Class</b><br>· <b>Label</b>   | 8 Corrosive substances.<br>8  |
| · <b>14.4 Packing group</b><br>· <b>ADR, IMDG, IATA</b>  | III   |
| · <b>14.5 Environmental hazards:</b>   | Not applicable.   |
| · <b>14.6 Special precautions for user</b><br>· <b>Hazard identification number (Kemler code):</b><br>· <b>EMS Number:</b> | Warning: Corrosive substances.<br>80<br>F-A,S-B   |

(Contd. on page 8)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 17.06.2021

Version number 5.0

Revision: 17.06.2021

Trade name: CarboLith PL Komp. C

(Contd. of page 7)

|  |  |
|--|--|
| · Segregation groups   | Alkalis  |
| · Stowage Category   | A  |
| · Stowage Code   | SW2 Clear of living quarters.  |
| · Segregation Code   | SG35 Stow "separated from" SGG1-acids  |
| · 14.7 Maritime transport in bulk according to IMO instruments | Not applicable.  |
| · Transport/Additional information:                            |  |
| · ADR  |  |
| · Limited quantities (LQ)                                      | 5L   |
| · Excepted quantities (EQ)                                     | Code: E1<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 1000 ml |
| · Transport category   | 3  |
| · Tunnel restriction code                                      | E  |
| · IMDG   |  |
| · Limited quantities (LQ)                                      | 5L   |
| · Excepted quantities (EQ)                                     | Code: E1<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 1000 ml |
| · UN "Model Regulation":                                       | UN 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (1,1,3,3-TETRAMETHYLGUANIDINE), 8, III                          |

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (Official Journal of the European Union L396, 30.12.2006) with all subsequent amendments.  
COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Official Journal of the European Union L353, 31.12.2008) with all subsequent adaptations to technical progress (ATP).
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**  
H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.  
H331 Toxic if inhaled.

(Contd. on page 9)



**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 17.06.2021

Version number 5.0

Revision: 17.06.2021

**Trade name: CarboLith PL Komp. C**

(Contd. of page 8)

H373 May cause damage to organs through prolonged or repeated exposure.

· **Department issuing SDS:** Technology department.

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 3: Acute toxicity – Category 3

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Skin Corr. 1C: Skin corrosion/irritation – Category 1C

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

· **\* Data compared to the previous version altered.**

GB