

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

Printing date 30.03.2022

Version 2.1

Revision: 25.03.2022

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

- **1.1 Product identifier**
- **Trade name: NORTEC® CLEAN**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
 To this day we do not have any information about the identified use at the moment. These data are available we will add these to the safety data sheet.
- **Application of the substance / the mixture** Concrete floor cleaner
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
 NORSA Vertriebs GmbH  
 Schmiedeberger Str. 55  
 04849 Bad Döben  
 Germany  
 Tel. +49 34243 57 47 00 19  
 www.nortecsystem.de  
 info@nortecsystem.de
- **Informing department:**  
 Tel. +49 34243 57 47 00 19  
 info@nortecsystem.de
- **1.4 Emergency telephone number:**  
 Tel.: +49 (0) 700-24112112 (CAL)  
 Tel.: +1 872 5888271(CAL)

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
 The product is not classified, according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **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 the substances listed below with harmless additions.

• **Dangerous components:**

CAS: 112-34-5 EINECS: 203-961-6 Index number: 603-096-00-8 Reg.nr.: 01-2119475104-44-xxxx	2-(2-butoxyethoxy)ethanol ⚠ Eye Irrit. 2, H319	2 - 5%
CAS: 28348-53-0 EINECS: 248-983-7	sodium cumenesulphonate ⚠ Eye Irrit. 2, H319	0.5 - 2%
CAS: 111-11-1 EINECS: 269-919-4	Benzyltrimethylalkyl(C12-C18)ammonium chloride ⚠ Eye Dam. 1, H318 ⚠ Aquatic Chronic 2, H411	≥ 1 - < 2%

(Contd. on page 2)

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

Printing date 30.03.2022

Version 2.1

Revision: 25.03.2022

Trade name: NORTEC® CLEAN

(Contd. of page 1)

- **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**  
Instantly remove any clothing soiled by the product.  
Personal protection for the First Aider.
- **After skin contact** The product is not skin irritating.
- **After eye contact**  
Rinse opened eye for several minutes under running water (at least 15 minutes).  
Remove contact lenses, if present and easy to do.  
Use eye protection.  
Call a doctor immediately.
- **After swallowing** Call a doctor immediately.
- **4.2 Most important symptoms and effects, both acute and delayed**  
Coughing  
Irritant effects.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
Symptomatic treatment

#### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water spray jet or alcohol-resistant foam.  
Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.  
Carbon monoxide
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Wear self-contained breathing apparatus.  
Do not inhale explosion gases or combustion gases.
- **Additional information**  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

#### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Particular danger of slipping on leaked/spilled product.
- **6.2 Environmental precautions:**  
Prevent from spreading (e.g. by damming-in or oil barriers).  
Do not allow to enter drainage system, surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.

(Contd. on page 3)

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

Printing date 30.03.2022

Version 2.1

Revision: 25.03.2022

Trade name: NORTEC® CLEAN

See Section 13 for information on disposal.

(Contd. of page 2)

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special precautions necessary if used correctly.
- **Information about protection against explosions and fires:** The product is not flammable
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**
  - Store only in the original container.
  - Provide alkali-resistant floor.
  - Prevent any penetration into the ground.
- **Information about storage in one common storage facility:**
  - Keep away from foodstuffs, beverages and food.
- **Further information about storage conditions:**
  - Keep container tightly sealed.
  - Store in a cool place.
- **Recommended storage temperature:** 5-25°C
- **Storage class**
  - LGK 13
  - (German Technical Rule for Hazardous Substance – TRGS 510)
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Additional information about design of technical systems:** No further data; see section 7.
- **Components with limit values that require monitoring at the workplace:**
  - The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

#### 112-34-5 2-(2-butoxyethoxy)ethanol

WEL	Short-term value: 101.2 mg/m <sup>3</sup> , 15 ppm
	Long-term value: 67.5 mg/m <sup>3</sup> , 10 ppm

- **Additional information:** The lists that were valid during the compilation were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
  - Ensure good ventilation/exhaustion at the workplace.
  - The usual precautionary measures should be adhered to general rules for handling chemicals.
  - Keep away from foodstuffs, beverages and food.
  - Take off immediately all contaminated clothing.
  - Wash hands during breaks and at the end of the work.
  - Avoid contact with the eyes and skin.
  - Do not eat, drink or smoke while working.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:**
  - Preventive skin protection by use of skin-protecting agents is recommended.
  - Protective gloves.
  - The protective gloves to be used must comply with the specifications of the (EU) 2016/425 and the resultant standard EN 374.
  - This recommendation applies only to the product stated in the Safety Data Sheet and supplied by us as well as to the purpose specified by us.

(Contd. on page 4)

GB

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

Printing date 30.03.2022

Version 2.1

Revision: 25.03.2022

**Trade name: NORTEC® CLEAN**

(Contd. of page 3)

Only use chemical-protective gloves with CE-labelling of category III.

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

- **Material of gloves**

Butyl rubber, BR

Thickness	Breakthrough time	
	(mm)	(min)
Nitril rubber	0,38	> 480
Neoprene	0,65	> 240
Butyl rubber	0,36	> 480

Avoid natural rubber gloves.

- **Penetration time of glove material**

Value for permeation: Level  $\geq$  120 min

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

- **As protection from splashes gloves made of the following materials are suitable:**

Synthetic gloves

Value for the permeation: Level:  
 $\geq$  3 (60 min)

- **Eye protection:** Safety glasses

- **Body protection:** Protective work clothing.

## SECTION 9: Physical and chemical properties

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

- **General Information**

- **Appearance:**

<b>Form:</b>	Fluid
<b>Colour:</b>	Green
<b>Odour:</b>	Odourless
<b>Odour threshold:</b>	Not determined.

- **pH-value at 20 °C:** 11

- **Change in condition**

<b>Melting point/freezing point:</b>	Not determined
<b>Initial boiling point and boiling range:</b>	110 °C

- **Flash point:** Not applicable

- **Inflammability (solid, gaseous)** Not applicable.

- **Decomposition temperature:** Not determined.

- **Self-inflammability:** Product is not selfigniting.

- **Explosive properties:** Product is not explosive.

- **Critical values for explosion:**

<b>Lower:</b>	Not applicable
<b>Upper:</b>	Not applicable

- **Oxidising properties** None

- **Vapour pressure:** Not determined.

<b>Density at 20 °C</b>	1.027 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.

(Contd. on page 5)

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

Printing date 30.03.2022

Version 2.1

Revision: 25.03.2022

Trade name: NORTEC® CLEAN

(Contd. of page 4)

· <b>Solubility in / Miscibility with Water:</b>	miscible
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
dynamic:	Not determined.
kinematic:	Not determined.
· <b>Solvent separation test</b>	Not determined
· <b>Solvent content:</b>	
Water:	>80 %
· <b>9.2 Other information</b>	No further relevant information available.

### 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**  
Reacts with strong acids  
Reacts with light alloys
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Aluminium
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

#### · LD/LC50 values that are relevant for classification:

#### ATE (Acute Toxicity Estimates)

Oral	LD50	43,333 mg/kg
------	------	--------------

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**  
This statement was deduced from the properties of the single components.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Not determined
- **Carcinogenicity** Not determined
- **Reproductive toxicity** Not determined
- **STOT-single exposure** Not determined
- **STOT-repeated exposure** Not determined
- **Aspiration hazard** Not determined

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.

(Contd. on page 6)

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

Printing date 30.03.2022

Version 2.1

Revision: 25.03.2022

Trade name: NORTEC® CLEAN

(Contd. of page 5)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** An accumulation in organisms is not expected.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
 This statement was deduced from the properties of the single components.  
 Water hazard class 1 (German Regulation) (Self-assessment): Weakly water-endangering.  
 Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.  
 At present there are no ecotoxicological assessments.  
 The product does not contain organically bounded halogens (AOX-free).
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
 Disposal must be made according to official regulations.  
 Must not be disposed of together with household garbage. Do not allow product to reach sewage system.  
 Must be specially treated under adherence to official regulations.  
 Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.
- **Uncleaned packagings:**
- **Recommendation:**  
 Packagings that cannot be cleaned are to be disposed of in the same manner as the product.  
 Non contaminated packagings can be used for recycling.  
 Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

### SECTION 14: Transport information

- |   |                 |
|---|-----------------|
| · <b>14.1 UN-Number</b><br>· <b>ADR/RID, ADN, IMDG, IATA</b>                                    | Void            |
| · <b>14.2 UN proper shipping name</b><br>· <b>ADR/RID, ADN, IMDG, IATA</b>                      | Void            |
| · <b>14.3 Transport hazard class(es)</b><br>· <b>ADR/RID, ADN, IMDG, IATA</b><br>· <b>Class</b> | Void            |
| · <b>14.4 Packing group</b><br>· <b>ADR/RID, IMDG, IATA</b>                                     | Void            |
| · <b>14.5 Environmental hazards:</b>  | Not applicable. |
| · <b>14.6 Special precautions for user</b>  | Not applicable. |

(Contd. on page 7)

GB

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

Printing date 30.03.2022

Version 2.1

Revision: 25.03.2022

**Trade name: NORTEC® CLEAN**

(Contd. of page 6)

- |  |                 |
|--|-----------------|
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable. |
| · <b>UN "Model Regulation":</b>  | Void            |

**SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I**  
None of the ingredients is listed.  
None of the ingredients is listed.
- **National regulations**
- **Decree to be applied in case of technical fault:**

Class	Share in %
III	0.9

- **Water hazard class:** Water hazard class 1 (Self-assessment): weakly water-endangering.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

- **Relevant phrases**  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H411 Toxic to aquatic life with long lasting effects.
- **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)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
- **Sources**  
Internal physical tests, MSDS of the ingredients,  
Information system on hazardous substances of the German Social Accident Insurance (GESTIS-database on hazardous substances), <http://www.dguv.de/ifa/en/gestis/stoffdb/index.jsp>  
applicable EEC directives:  
- 1907/2006  
- 1272/2008
- **\* Data compared to the previous version altered.**