

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

Printing date 10.01.2024

Version number 107.02 (replaces version 107.01)

Revision: 10.01.2024

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

- 1.1 Product identifier

- Trade name Cleanet® GR11 Klarspüler neutral

- Article number: 801011

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

No further relevant information available.

- Application of the substance / the mixture Clear rinsing agent/ Wetting agent

- 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

Nette GmbH
Elliehäuser Weg 7-11
37079 Göttingen
Tel.: 0551 69470
Mail: goettingen@nette-deutschland.de

- Informing department:

Qualitätsmanagement
Frau Ulrike Fricke 05 51 / 69 47 29
Mail: quality@nette-deutschland.de

- 1.4 Emergency telephone number:

This is an English-language document designed for the European region. For the emergency number and other country-specific data, please refer to the specific national versions of this safety data sheet.

Counselling Centre for Poisoning, Mainz
Tel. (+49) 61 31 / 19 240.

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

- Additional information:

Safety data sheet available on request.

- 2.3 Other hazards

- Results of PBT and vPvB assessment

- PBT: Not applicable.

- vPvB: Not applicable.

- Determination of endocrine-disrupting properties Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures

- Description: Mixture of the substances listed below with harmless additions

- Dangerous components:

CAS: 68439-51-0 Polymer	Alcohols, C12-14, ethoxylated, propoxylated Aquatic Chronic 3, H412	2,5-10%
CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25	propan-2-ol Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336 substance with a Community workplace exposure limit	≥2,5-<10%

- SVHC

This preparation does not contain any substances of very high concern (SVHC) in a concentration of ≥ 0.1 % according to Regulation (EC) 1907/2006, Article 57.

- Additional information For the wording of the listed hazard phrases refer to section 16.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.01.2024

Version number 107.02 (replaces version 107.01)

Revision: 10.01.2024

Trade name Cleanet® GR11 Klarspüler neutral

(Contd. of page 1)

- Composition/Ingredients

Constituents according to EC-Regulation 648/2004:

5 - 15 % non-ionic surfactants,

Preservative (Methylchloroisothiazolinone, Methylisothiazolinone)

SECTION 4: First aid measures

- 4.1 Description of first aid measures

- **General advice:** Change contaminated clothing.- **After inhalation** Supply fresh air; consult doctor in case of symptoms.- **After skin contact** Wash skin with water using soap if available. If persistent irritation occurs, obtain medical attention.- **After eye contact** Rinse immediately opened eye for several minutes under running water. Then consult doctor.- **After swallowing** Rinse out mouth and then drink plenty of water.- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.- **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** Use fire fighting measures that suit the environment.- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

- 5.3 Advice for firefighters

- **Protective equipment:** Wear self-contained breathing apparatus.- **Additional information** Endangered containers in the surrounding area should be cooled with a water-hose.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.

- 6.2 Environmental precautions:

Do not allow to enter drainage system, surface or ground water.

In case of release of larger quantities, inform competent authorities.

- 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Contaminated material has to be disposed as waste (see item 13).

- 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 information on disposal.

Danger of burning is possible

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Ensure good ventilation/extraction at the workplace.- **Information about protection against explosions and fires:** No special measures required.

- 7.2 Conditions for safe storage, including any incompatibilities

- **Storage** Store in cool, dry conditions in well sealed containers.

- Requirements to be met by storerooms and containers:

Observe official regulations on storage and handling of water hazardous substances

Store in original containers or in PE-containers.

- Information about storage in one common storage facility:

Store away from foodstuffs.

According to guidelines of the VbF, flammable liquids should not be stored together.

- Further information about storage conditions:

Pay attention to regulations/technical rules for the storage of combustible liquids.

- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters

- **Components with critical values that require monitoring at the workplace:****67-63-0 propan-2-ol**AGW (Germany) Long-term value: 500 mg/m³, 200 ppm

2(II);DFG, Y

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

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Trade name Cleanet® GR11 Klarspüler neutral

(Contd. of page 2)

- DNELs**67-63-0 propan-2-ol**

Oral	DNEL (population)	51 mg/kg bw/day (Acute, systemic effects)
		26 mg/kg bw/day (Long-term, systemic effects)
Dermal	DNEL (worker)	888 mg/kg bw/day (Long-term, systemic effects)
	DNEL (population)	319 mg/kg bw/day (Long-term, systemic effects)
Inhalative	DNEL (worker)	1000 mg/m ³ (Acute, systemic effects)
		500 mg/m ³ (Long-term, systemic effects)
	DNEL (population)	178 mg/m ³ (Acute, systemic effects)
		89 mg/m ³ (Long-term, systemic effects)

- Ingredients with biological limit values:**67-63-0 propan-2-ol**

BGW (Germany)	25 mg/l
	Untersuchungsmaterial: Vollblut Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Aceton
	25 mg/l
	Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Aceton

- Additional information: The lists that were valid during the compilation were used as basis.**- 8.2 Exposure controls****- Appropriate engineering controls** No further data; see section 7.**- Individual protection measures, such as personal protective equipment****- General protective and hygienic measures**

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

Gases, fumes and aerosols should not be inhaled.

- Breathing equipment: Not necessary if room is well-ventilated.**- Hand protection**

In case of prolonged skin contact gloves or skin protection cream is recommended.

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

- Material of gloves

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

Wear protective goggles with side protection when handling the product openly and when there is a risk of splashing.

- Body protection:

Standard protective clothing. Chemical resistant safety-shoes or boots. If skin contact is possible, wear impenetrable protective clothing against this solvent.

SECTION 9: Physical and chemical properties**- 9.1 Information on basic physical and chemical properties****- General Information****- Physical state**

Fluid

- Colour:

Colourless

- Smell:

Alcohol-like

- Odour threshold:

Not determined.

- Melting point/freezing point:

Not determined

- Boiling point or initial boiling point and boiling range

>75 °C

- Flammability

Not applicable.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.01.2024

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Trade name Cleanet® GR11 Klarspüler neutral

(Contd. of page 3)

- Lower and upper explosion limit	
- Lower:	Not determined.
- Upper:	Not determined.
- Flash point:	>60 °C
- Decomposition temperature:	Not determined.
- pH at 20 °C	~5
- pH-value:	
- Viscosity:	
- Kinematic viscosity	Not determined.
- dynamic:	Not determined.
- Solubility	
- Water:	Fully miscible
- Partition coefficient n-octanol/water (log value)	Not determined.
- Vapour pressure:	Not determined.
- Density and/or relative density	
- Density at 20 °C	1 g/cm ³
- Relative density	Not determined.
- Vapour density	Not determined.

- 9.2 Other information	Test auf selbstunterhaltende Verbrennung: negativ
- Appearance:	
- Form:	Fluid
- Important information on protection of health and environment, and on safety.	
- Self-inflammability:	Product is not selfigniting.
- Explosive properties:	Product is not potentially explosive
- Evaporation rate	Not determined.

- Information with regard to physical hazard classes	
- Explosives	Void
- Flammable gases	Void
- Aerosols	Void
- Oxidising gases	Void
- Gases under pressure	Void
- Flammable liquids	Void
- Flammable solids	Void
- Self-reactive substances and mixtures	Void
- Pyrophoric liquids	Void
- Pyrophoric solids	Void
- Self-heating substances and mixtures	Void
- Substances and mixtures, which emit flammable gases in contact with water	Void
- Oxidising liquids	Void
- Oxidising solids	Void
- Organic peroxides	Void
- Corrosive to metals	Void
- Desensitised explosives	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:**
 - strong oxidizing agents
 - Bases, base metal
 - Reactions with strong oxidising agents.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.01.2024

Version number 107.02 (replaces version 107.01)

Revision: 10.01.2024

Trade name Cleanet® GR11 Klarspüler neutral

(Contd. of page 4)

SECTION 11: Toxicological information

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

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

- LD/LC50 values that are relevant for classification:

68439-51-0 Alcohols, C12-14, ethoxylated, propoxylated

Oral	LD50	>2000 mg/kg (rat)
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67-63-0 propan-2-ol

Oral	LD50	5840 mg/kg (rat) (OECD 401)
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		4570 mg/kg (rat)
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Dermal	LD50	>2000 mg/kg (rabbit)
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		13400 mg/kg (rab)
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Inhalative	LC 50 / 4 h	30 mg/l (rat)
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- **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.

- **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** Based on available data, the classification criteria are not met.

- **Aspiration hazard** Based on available data, the classification criteria are not met.

- STOT-repeated exposure:

67-63-0 propan-2-ol

Oral	NOAEL	900 mg/kg (rat) ((90d) OECD 408)
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- 11.2 Information on other hazards

- Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

- 12.1 Toxicity

- Aquatic toxicity:

68439-51-0 Alcohols, C12-14, ethoxylated, propoxylated

LC 50 / 96 h	>1-10 mg/l (Leuciscus idus)
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EC 50 / 48 h	>1-10 mg/l (Daphnia magna)
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EC 50 / 72 h	>1-10 mg/l (Desmodesmus subspicatus)
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EC 10	>0,1-1 mg/l (Algae)
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67-63-0 propan-2-ol

LC 50 / 96 h	>10000 mg/l (Pimephales promelas) (OECD 203 (Acute toxicity - fish))
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LC 50 / 48 h	>100 mg/l (Leuciscus idus)
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EC 50 / 48 h	>100 mg/l (Daphnia magna)
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EC 50 / 16 h	1050 mg/l (Pseudomonas putida) (DIN 38412 T.8)
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EC 50 / 72 h	>100 mg/l (Scenedesmus subspicatus)
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- 12.2 Persistence and degradability

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

68439-51-0 Alcohols, C12-14, ethoxylated, propoxylated

Biodegradability	>70 % (OECD 301A)
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	>60 % (OECD 301 B)
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67-63-0 propan-2-ol

Biodegradability	49 % /BOD/ThBOD
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(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

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Trade name Cleanet® GR11 Klarspüler neutral

(Contd. of page 5)

Biodegradability	53 % /5 d, BSB5/CS (92/69/EG (L383) C.5 * Abbaubarkeit)
CSB	2,23 mg O ₂ /g (Methode : Verordnung (EC) Nr. 440/2008, Anhang, C.)
BSB5	1,72 mg O ₂ /g (Methode : Verordnung (EC) Nr. 440/2008, Anhang, C.)

- **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**

- Respiratory inhibition of communal activated sludge EC 20 (mg/l according to ISO 8192 B):	
68439-51-0 Alcohols, C12-14, ethoxylated, propoxylated	
EC 0	>100 mg/l (bacteria) (OECD 209)

- **Additional ecological information:**
- **General notes:**
- Water hazard class 2 (Self-assessment): hazardous for water.
- Do not allow product to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- The note below refers to the product left as it is and not to further processed products. When mixed with other products, other disposal routes may be required; if in doubt, consult the supplier of the product or the local authority.
- **Recommendation**
- The above recommendations apply to the unused product (e.g. residual quantities).
- When used as intended, the product is discharged into waste water.
- Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Waste disposal key number:**
- Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.
- **Uncleaned packagings:** Disposal must be made according to official regulations.
- **Recommendation:**
- Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning. Care should be taken that no other materials get into the packaging.
- Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.

SECTION 14: Transport information

- 14.1 UN number or ID number	
- ADR/RID/ADN, IMDG, IATA	Void
- 14.2 UN proper shipping name	
- ADR/RID/ADN, IMDG, IATA	Void
- 14.3 Transport hazard class(es)	
- ADR/RID/ADN, IMDG, IATA	
- Class	Void
- 14.4 Packing group	
- ADR/RID/ADN, IMDG, IATA	Void
- 14.6 Special precautions for user	Not applicable.
- 14.7 Maritime transport in bulk according to IMO instruments	
	Not applicable.
- Transport/Additional information:	Not dangerous according to the above specifications.
- UN "Model Regulation":	Void

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

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Revision: 10.01.2024

Trade name Cleanet® GR11 Klarspüler neutral

(Contd. of page 6)

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.

- LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)

None of the ingredients is listed.

- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

- REGULATION (EU) 2019/1148

- Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

- National regulations

- **Information about limitation of use:** Employment restrictions concerning young persons must be observed.

- **VOC:** 5 % volatile organic compounds (Swiss Ordinance on the Incentive Tax on Volatile Organic Compounds).

- Other regulations, limitations and prohibitive regulations

- Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is listed.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety data sheet complies with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

- **Application:** Please refer to the technical data sheet for application instructions.

- Registration-Number

- Relevant phrases

Complete wording of hazard statements and risk phrases (H-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

- Training hints

Employees must be regularly trained in the safe handling of the products based on the information in the safety data sheet and the local conditions of the workplace. National regulations on the training of employees in the handling of hazardous substances must be observed.

- Classification according to Regulation (EC) No 1272/2008

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

- **Contact:** see item 1: Informing department

- **Date of previous version:** 22.02.2023

- **Version number of previous version:** 107.01

- Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

LEV: Local Exhaust Ventilation

NOAEL: No Observed Adverse Effect Level

RPE: Respiratory Protective Equipment

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.01.2024

Version number 107.02 (replaces version 107.01)

Revision: 10.01.2024

Trade name Cleanet® GR11 Klarspüler neutral

(Contd. of page 7)

RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)

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 Harmonized System of Classification and Labelling of Chemicals

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

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)

ISO: International Organisation for Standardisation

DNEL: Derived No-Effect Level (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

SVHC: Substance of Very High Concern

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

- * Data compared to the previous version altered.