

Cleanet GR5 Spülmittel

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 5/1/2015 Revision date: 6/14/2016 Supersedes: 9/15/2015

Version: 3.0

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

1.1. Product identifier

Product form : Mixture
Trade name : Cleanet GR5 Spülmittel
Product code : 218
Type of product : Detergent
Synonyms : 218 ; 340
Product group : Blend

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

1.2.1. Relevant identified uses

Main use category : Professional use
Industrial/Professional use spec : For professional use only
Use of the substance/mixture : Hand Dishwashing Detergent
Function or use category : Cleaning/washing agents and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Nette Papier GmbH
Elliehäuser Weg 7-11
37079 Göttingen - Germany
T +49 551 6947-0 - F +49 551 6947-27
msds@safetysheet.info - www.cleanet.eu

1.4. Emergency telephone number

Emergency number : Telephonenumber of producer/supplier: +49 551 6947-0 (08:00 - 17:00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation, Category 2 H319

Skin corrosion/irritation Not classified

Full text of H statements : see section 16

For DetNet Classification and Labelling information: see Section 16

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning
Hazard statements (CLP) : H319 - Causes serious eye irritation
Precautionary statements (CLP) : P264 - Wash hands thoroughly after handling.
P280 - Wear eye 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.
P337+P313 - If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

No additional information available

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SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	Weight(%)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Benzenesulphonic acid, C10-13-alkyl derivs., sodium salts	(CAS-No.) 68411-30-3 (EC-No.) 270-115-0 (REACH-no) Ionic Mixture	10 - 20	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	(CAS-No.) 68891-38-3 (EC-No.) 500-234-8 (REACH-no) 01-2119488639-16	1 - 5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412

Specific concentration limits:

Name	Product identifier	Specific concentration limits
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	(CAS-No.) 68891-38-3 (EC-No.) 500-234-8 (REACH-no) 01-2119488639-16	(5 =<C < 10) Eye Irrit. 2, H319 (C >= 10) Eye Dam. 1, H318

Full text of (EU)H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: In case of any doubt or when irritation occurs or persists seek medical advice. If medical advice is needed, have product container or label at hand.
First-aid measures after inhalation	: Not relevant. Not expected to require first aid measures.
First-aid measures after skin contact	: Wash skin with mild soap and water.
First-aid measures after eye contact	: In case of eye contact, immediately rinse with clean water for 10-15 minutes. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Drink some water or milk (1/4 litre). Eat something fat (like coffee cream, butter, mayonnaise, etc.). Seek medical advice immediately and show this container or label.

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

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation	: None under normal use.
Symptoms/effects after skin contact	: Not expected to present a significant skin hazard. May cause slight irritation.
Symptoms/effects after eye contact	: May cause severe irritation.
Symptoms/effects after ingestion	: May cause irritation of the linings of the mouth, throat, and gastrointestinal tract.

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

In case of any doubt or when irritation occurs or persists seek medical advice.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: All known extinguishants can be used.
Unsuitable extinguishing media	: None to our knowledge.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: The product itself does not maintain combustion.
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5.3. Advice for firefighters

Protection during firefighting	: Use fire fighting measures that suit the environment.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Material spilled on hard surface can present a serious slipping/falling hazard.
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6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

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6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Pick up as much as possible of the spilled product. Store picked-up material in a drum. Wash non-recoverable remainder with large amounts of water.

6.4. Reference to other sections

Reference to other sections : Personal precautions: Refer to section 8.
Handling and storage: Refer to section 7.
Waste disposal recommendations: Refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Normal precautions for the use of chemicals and cleaners should be taken care of.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Protect from freezing.

7.3. Specific end use(s)

Specific end use(s) : When the product is used as directed in Section 1.2 under normal conditions, no specific measures are required. The necessary measures can be found in Section 7.1 and 7.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional information : The product itself is not tested on occupational exposure limits, but if the product contains substances with occupational exposure limits these are listed here. No listing means that the product does not contain any substances with occupational exposure limits.

Benzenesulphonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	170 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	12 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	0.85 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	3 mg/m ³
Long-term - systemic effects, dermal	85 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.268 mg/l
PNEC aqua (marine water)	0.0268 mg/l
PNEC aqua (intermittent, freshwater)	0.055 mg/l
PNEC aqua (intermittent, marine water)	0.055 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	8.1 mg/kg dwt
PNEC sediment (marine water)	8.1 mg/kg dwt
PNEC (Soil)	
PNEC soil	35 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	5.6 mg/l
Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	2750 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	175 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	15 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	52 mg/m ³
Long-term - systemic effects, dermal	1650 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.24 mg/l
PNEC aqua (marine water)	0.024 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	5.45 mg/kg dwt

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Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	
PNEC sediment (marine water)	0.545 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.946 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	10000 mg/l

8.2. Exposure controls

Hand protection	: This product is not classified as dangerous for the skin and therefore no protection gloves are necessary when this product is used. In case of prolonged use or sensitive skin, where irritation is possible, it would be recommended to use gloves. When selecting protective gloves, always consider user specific circumstances like mechanical stress (cutting, drilling, etc.), contact time, temperature, use of other chemicals, etc. In consultation with the supplier of protective gloves a type can be chosen, which provides sufficient protection. Always check the instructions regarding breakthrough time and type & thickness of the material, as given by the glove supplier.
Eye protection	: When making normal use of the product not necessary. If there is a risk of liquid being splashed : Wear eye protection.
Respiratory protection	: When making normal use of the product not necessary.
Other information	: Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Viscous liquid.
Colour	: Yellow.
Odour	: Lemon.
Odour threshold	: Not applicable
pH	: 6 - 7
Freezing point	: < -8 °C
Boiling point	: ± 100 °C
Flash point	: > 100 °C
Relative evaporation rate (butylacetate=1)	: < 1
Flammability (solid, gas)	: Non flammable.
Explosive limits	: Product is not explosive
Vapour pressure	: 23.7 hPa
Relative vapour density at 20 °C	: No data available
Relative density	: 1 - 1.06
Density	: 1 - 1.06 g/cm³
Solubility	: Water: completely soluble
Partition coefficient n-octanol/water [log Pow]	: -0.68 (calculated value)
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not applicable
Viscosity, dynamic	: 300 - 700 mPa.s
Explosive properties	: No chemical group associated with explosive properties.
Oxidising properties	: The product itself does not maintain combustion.

9.2. Other information

VOC content	: < 30 %
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SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

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10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

None under normal conditions.

10.5. Incompatible materials

None under normal conditions.

10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Cleanet GR5 Spülmittel	
Additional information	With the product as such no toxicological tests have been done. According to the criteria of 3.1.3 from (EC) 1272/2008 this product is not toxic. Components that are toxic are mentioned below.

Benzenesulphonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)

LD50 oral rat	2000 - 5000 mg/kg
LD50 oral	1080 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg
LD50 dermal	> 2000 mg/kg bodyweight

Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)

LD50 oral	4100 mg/kg bodyweight
LD50 dermal	> 2000 mg/kg bodyweight

Skin corrosion/irritation : Not classified.
pH: 6 - 7

Serious eye damage/irritation : Causes serious eye irritation.
pH: 6 - 7

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Cleanet GR5 Spülmittel	
Additional information	With the product as such no ecological tests have been done. According to the criteria of 4.1.3 from (EC) 1272/2008 this product is not dangerous for the environment. Components that are dangerous to the environment are mentioned below.

Benzenesulphonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)

LC50 fish 1	1.67 mg/l
EC50 Daphnia 1	> 1 (≤ 10)
EC50 other aquatic organisms 1	2.9 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	127.9 mg/l IC50 algae (72 h) mg/l
ErC50 (other aquatic plants)	> 10 (≤ 100) mg/l
NOEC (chronic)	> 1 (≤ 10) mg/l
NOEC chronic fish	> 0.1 mg/l

Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)

LC50 fish 1	7.1 mg/l
EC50 other aquatic organisms 1	7.2 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	27 mg/l IC50 algae (72 h) mg/l

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12.2. Persistence and degradability

Cleanet GR5 Spülmittel	
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.

Benzenesulphonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)

Persistence and degradability	Readily biodegradable.
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12.3. Bioaccumulative potential

Cleanet GR5 Spülmittel	
Partition coefficient n-octanol/water [log Pow]	-0.68 (calculated value)
Benzenesulphonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)	
Partition coefficient n-octanol/water [log Pow]	1.4
Bioaccumulative potential	Bioaccumulation unlikely.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Cleanet GR5 Spülmittel	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
Component	
Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Benzenesulphonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Pick up as much as possible of the spilled product. Store picked-up material in a drum. Dispose in a safe manner in accordance with local/national regulations. Wash non-recoverable remainder with large amounts of water.
Additional information	: Rinse the empty bottle. Then bottle can be disposed of with the normal domestic waste.
European List of Waste (LoW) code	: 20 01 30 - detergents other than those mentioned in 20 01 29

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated for transport				
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

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14.6. Special precautions for user

- Overland transport

Not applicable; Not classified as dangerous in the meaning of transport regulations

- Transport by sea

Not applicable; Not classified as dangerous in the meaning of transport regulations

- Air transport

Not applicable; Not classified as dangerous in the meaning of transport regulations

- Inland waterway transport

Not applicable; Not classified as dangerous in the meaning of transport regulations

- Rail transport

Not applicable; Not classified as dangerous in the meaning of transport regulations

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IBC code : Not applicable. This product is not intended to be carried in bulk tankers.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : < 30 %

Detergent Regulation : Labelling of contents:

Component	%
anionic surfactants	15-30%
METHYLISOTHIAZOLINONE	
BENZISOTHIAZOLINONE	
GLUTARAL	
Perfumes	
LIMONENE	

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CAS	Chemical Abstracts Service
CLP	Classification Labelling Packaging; Regulation (EC) No 1272/2008
DPD	Dangerous Preparations Directive 1999/45/EC.
DSD	Dangerous Substances Directive 67/548/EEC.
EC50	Median effective concentration
EC-No.	Official identification number of the substance within the European Union
IATA	International Air Transport Association.
IBC-code	International Bulk Chemical Code, the International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.
ICAO	International Civil Aviation Organization.
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization

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LC50	Median lethal concentration
LD50	Median lethal dose
PBT	Persistent Bioaccumulative Toxic.
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail.
SDS	Safety Data Sheet
UN	United Nations
VOC	Volatile organic compounds
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water hazard class (WGK)

Data sources

CLP	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
COSING	CosIng - http://ec.europa.eu/growth/tools-databases/cosing/
ECHA	ECHA (European Chemicals Agency) - https://echa.europa.eu/nl/home
GESTIS	GESTIS Substance Database - http://gestis-en.itrust.de/nxt/gateway.dll/gestis_en/000000.xml?f=templates\$fn=default.htm\$vid=gestiseng:sdbeng\$3.0
SER	The Social and Economic Council of the Netherlands (SER) - http://www.ser.nl
SDS	Safety Data Sheet Manufacturer/Supplier Raw material

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

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008:

Classifications derived from DetNet:

The skin and eye classification of this product was derived using bridging principles (such as dilution, interpolation within one hazard category or substantially similar mixtures; with or without expert judgement) following Article 9(3) and Article 9(4) of Regulation (EC) No 1272/2008

Classification Record available to competent authorities on request.

DetNet logging number DetNet/519;DetNet/519

Eye Irrit. 2	H319	Substantially similar mixtures bridging principle and expert judgement Dilution bridging principle and expert judgement
Skin Corr./Irrit. Not classified		Substantially similar mixtures bridging principle and expert judgement Dilution bridging principle and expert judgement

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr./Irrit. Not classified	Skin corrosion/irritation Not classified
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H412	Harmful to aquatic life with long lasting effects

SDS EU (REACH Annex II)

The information given in this SDS relates to the product mentioned in section 1 and is provided on the assumption that the product will be used in the manner and for the purposes indicated by the manufacturer. The data given here is based on current knowledge and experience and if necessary regularly revised. It is the responsibility of the user to carry out the mentioned precautions and to ensure that this information is complete and sufficient for the use of this product. It is recommended to inform staff / people concerned about the information in this safety data sheet, if necessary in modified form. The data does not signify any warranty with regard to the products' properties.