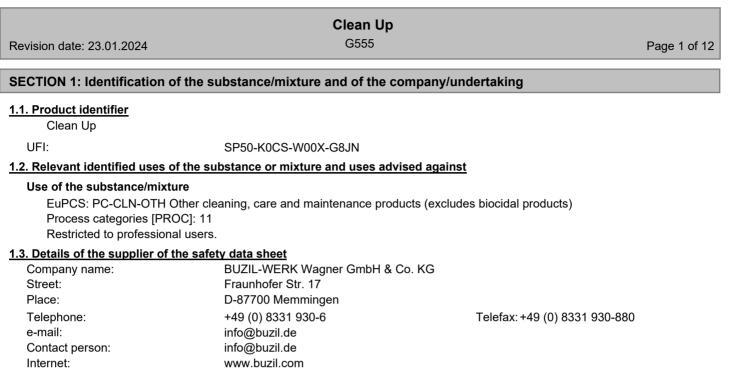
according to Regulation (EC) No 1907/2006



+49 (0) 8331 930-6 (08:00 - 16:00 h)

1.4. Emergency telephone

number:

# **SECTION 2: Hazards identification**

# 2.1. Classification of the substance or mixture

## Regulation (EC) No 1272/2008

Flam. Liq. 3; H226 Eye Dam. 1; H318 Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

Danger

#### 2.2. Label elements

#### Regulation (EC) No 1272/2008

## Hazard components for labelling

2-Phenoxyethanol Signal word:

Pictograms:

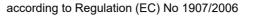


#### Hazard statements

H226	Flammable liquid and vapour.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.

#### **Precautionary statements**

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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.
P310	Immediately call a POISON CENTER/doctor.



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## Special labelling of certain mixtures

Contains Limonene. May produce an allergic reaction.

#### 2.3. Other hazards

EUH208

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII. The inhalation of dust/mist or aerosols causes irritation of the respiratory tract.

#### **SECTION 3: Composition/information on ingredients**

#### 3.2. Mixtures

## Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification (Regulation	•		
64-17-5	Ethanol			30 - < 35 %
	200-578-6	603-002-00-5	01-2119457610-43	
	Flam. Liq. 2, Eye Irrit. 2; H	225 H319	·	
112-34-5	2-(2-Butoxyethoxy)ethano	I, Diethylene glycol monobutyl ethe	r	1 - < 5 %
	203-961-6	603-096-00-8	01-2119475104-44	
	Eye Irrit. 2; H319			
122-99-6	2-Phenoxyethanol	1 - < 5 %		
	204-589-7	603-098-00-9	01-2119488943-21	
	Acute Tox. 4, Eye Dam. 1			
25307-17-9	2,2'-(Octadec-9-enylimino) bisethanol			1 - < 5 %
	246-807-3		01-2119510876-35	
	Acute Tox. 4, Skin Corr. 1 H400 H410			
5989-27-5	(R)-p-Mentha-1,8-diene, d	< 1 %		
	227-813-5	601-029-00-7	01-2119529223-47	
	Flam. Liq. 3, Skin Irrit. 2, S H315 H317 H304 H400 H			

Full text of H and EUH statements: see section 16.

#### Specific Conc. Limits, M-factors and ATE CAS No EC No Chemical name Quantity Specific Conc. Limits, M-factors and ATE 64-17-5 30 - < 35 % 200-578-6 Ethanol inhalation: LC50 = 116,9 mg/l (vapours); oral: LD50 = 10470 mg/kg Eye Irrit. 2; H319: >= 50 -100 112-34-5 203-961-6 2-(2-Butoxyethoxy)ethanol, Diethylene glycol monobutyl ether 1 - < 5 % dermal: LD50 = 2764 mg/kg; oral: LD50 = 3305 mg/kg 122-99-6 1 - < 5 % 204-589-7 2-Phenoxyethanol oral: ATE 1394 mg/kg 25307-17-9 246-807-3 2,2'-(Octadec-9-enylimino) bisethanol 1 - < 5 % Aquatic Chronic 1; H410: M=1 227-813-5 5989-27-5 (R)-p-Mentha-1,8-diene, d-limonene < 1 % dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5700 mg/kg Aquatic Acute 1; H400: M=1 Aquatic Chronic 1; H410: M=1

#### Labelling for contents according to Regulation (EC) No 648/2004

< 5 % non-ionic surfactants, perfumes (Limonene).



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## **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

#### **General information**

Remove contaminated, saturated clothing immediately.

#### After inhalation

Provide fresh air.

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off contaminated clothing and wash it before reuse.

#### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

## After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting.

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

No information available.

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

Treat symptomatically.

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

#### 5.1. Extinguishing media

#### Suitable extinguishing media

Water spray jet alcohol resistant foam Carbon dioxide Extinguishing powder

#### Unsuitable extinguishing media

Full water jet

#### 5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: Carbon dioxide Carbon monoxide

#### 5.3. Advice for firefighters

Co-ordinate fire-fighting measures to the fire surroundings.

Emergency cooling must be provided for in case of a fire in the vicinity.

#### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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

#### 6.1. Personal precautions, protective equipment and emergency procedures

#### General advice

Use personal protection equipment.

Avoid contact with skin, eyes and clothes.

#### For non-emergency personnel

#### Ventilate affected area.

#### For emergency responders

Wear breathing apparatus if exposed to vapours/dusts/aerosols.



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#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

## 6.3. Methods and material for containment and cleaning up

#### For containment

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

# For cleaning up

Treat the recovered material as prescribed in the section on waste disposal.

#### Other information

Collect in closed and suitable containers for disposal. Ventilate affected area.

# 6.4. Reference to other sections

Personal protection equipment: see section 8 Disposal: see section 13

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

## 7.1. Precautions for safe handling

#### Advice on safe handling

Avoid contact with skin, eyes and clothes. Do not mix with other chemicals. Use personal protection equipment. When using do not eat, drink or smoke. Do not breathe gas/fumes/vapour/spray. Use only in well-ventilated areas.

# Advice on protection against fire and explosion

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

#### Advice on general occupational hygiene

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink or smoke.

#### Further information on handling

No further relevant information available.

#### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep container tightly closed. Store in a well-ventilated place. Keep cool.

#### Hints on joint storage

No special measures are necessary.

# Further information on storage conditions

No further relevant information available.

# 7.3. Specific end use(s)

Cleaning agent

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

#### 8.1. Control parameters



according to Regulation (EC) No 1907/2006

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#### Occupational exposure limit values

CAS No	Name of agent	ppm	mg/m³	fib/cm <sup>3</sup>	Category	Origin
112-34-5	2-(2-Butoxyethoxy)ethanol	10	67.5		TWA (8 h)	
		15	101.2		STEL (15 min)	

#### Additional advice on limit values

No information available.

#### 8.2. Exposure controls



Appropriate engineering controls

No information available.

Individual protection measures, such as personal protective equipment

#### Eye/face protection

Wear eye/face protection. (EN 166)

### Hand protection

Wear suitable gloves. (EN 374, Category III)

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.

Suitable material: NBR (Nitrile rubber) / Thickness of the glove material > 0,1 mm

#### Skin protection

Wear suitable work clothing.

#### **Respiratory protection**

Use only in well-ventilated areas.

In case of inadequate ventilation wear respiratory protection. (EN 14387, A1)

# Thermal hazards

No further relevant information available.

#### **Environmental exposure controls**

Section 6: Accidental Release Measures

# **SECTION 9: Physical and chemical properties**

# 9.1. Information on basic physical and chemical properties

Physical state: Colour:	Liquid colourless - light yellow	
Odour:	Perfumes, fragrances	
Melting point/freezing point:	, 3	approx10 °C
Boiling point or initial boiling point and		> 80 °C
boiling range:		
Flammability:		Flammable.
Lower explosion limits:		not determined
Upper explosion limits:		not determined
Flash point:		30 °C
Auto-ignition temperature:		not determined
Decomposition temperature:		not applicable
pH-Value (at 20 °C):		11,0 - 11,5



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Viscosity / kinematic:	not determined	
(at 40 °C)		
Water solubility:	completely miscible	
Solubility in other solvents		
not determined		
Partition coefficient n-octanol/water:	not applicable	
Vapour pressure:	not determined	
Density (at 25 °C):	0,94 g/cm³	
Relative density:	not determined	
Relative vapour density:	not determined	
Particle characteristics:	not relevant	
9.2. Other information		
Other safety characteristics		
Viscosity / dynamic:	< 10 mPa·s	
(at 25 °C)		
No information available.		

# **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

# 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

## 10.4. Conditions to avoid

The product is stable under storage at normal ambient temperatures.

# 10.5. Incompatible materials

No information available.

#### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

#### **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.

# according to Regulation (EC) No 1907/2006

# (buril)

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CAS No	Chemical name					
	Exposure route Dose S		Species	Source	Method	
64-17-5	Ethanol					
	oral	LD50 10470 mg/kg	Rat		OECD 401	
	inhalation (4 h) vapour	LC50 116,9 mg/l	Rat		OECD 403	
112-34-5	2-(2-Butoxyethoxy)ethan	ol, Diethylene glycol m	onobutyl ether			
	oral	LD50 3305 mg/kg	Rat			
	dermal	LD50 2764 mg/kg	Rabbit			
122-99-6	2-Phenoxyethanol					
	oral	ATE 1394 mg/kg				
25307-17-9	2,2'-(Octadec-9-enylimin	o) bisethanol				
	oral	LD50 > 300 - 2000 mg/kg	Rat		OECD 401	
5989-27-5	(R)-p-Mentha-1,8-diene, d-limonene					
	oral	LD50 > 5700 mg/kg	Rat			
	dermal	LD50 > 5000 mg/kg	Rabbit			

## Irritation and corrosivity

Causes serious eye damage.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

# Sensitising effects

Contains Limonene. May produce an allergic reaction.

# Carcinogenic/mutagenic/toxic effects for reproduction

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.

# 11.2. Information on other hazards

## Other information

No information available.

# **SECTION 12: Ecological information**

# 12.1. Toxicity

Harmful to aquatic life with long lasting effects.

# according to Regulation (EC) No 1907/2006

# (buzil)

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CAS No	No Chemical name								
	Aquatic toxicity	Dose		[h]   [d]	Species	Source	Method		
64-17-5	Ethanol								
	Acute fish toxicity	LC50 mg/l	11200	96 h	Oncorhynchus mykiss (Rainbow trout)		ASTN E729-80		
	Acute algae toxicity	ErC50	275 mg/l	72 h	Chlorella vulgaris				
	Acute crustacea toxicity	EC50 mg/l	5012	48 h	Ceriodaphnia spec				
112-34-5	2-(2-Butoxyethoxy)ethance	ol, Diethylene	e glycol mon	obutyl et	her				
	Acute fish toxicity	LC50 mg/l	1300	96 h	Lepomis macrochirus (Bluegill)		OECD 203		
	Acute algae toxicity	ErC50 mg/l	> 100	96 h	Scenedesmus subspicatus		OECD 201		
	Acute crustacea toxicity	EC50 mg/l	> 100	48 h	Daphnia magna (Big water flea)		OECD 202		
122-99-6	2-Phenoxyethanol								
	Acute fish toxicity	LC50	344 mg/l	96 h	Pimephales promelas (fathead minnow)				
	Acute algae toxicity	ErC50 mg/l	> 500	72 h	Scenedesmus subspicatus		DIN 38412 / part 9		
	Acute crustacea toxicity	EC50 mg/l	> 500	48 h	Daphnia magna (Big water flea)		OECD 202		
	Fish toxicity	NOEC	23 mg/l	34 d	Pimephales promelas (fathead minnow)		OECD 210		
	Crustacea toxicity	NOEC mg/l	9,43	21 d	Daphnia magna (Big water flea)		OECD 211		
25307-17-9	2,2'-(Octadec-9-enylimino) bisethanol								
	Acute fish toxicity	LC50 mg/l	> 0,1 - 1	96 h	Danio rerio (zebrafish)		OECD 203		
	Acute algae toxicity	ErC50 0,1 mg/l	> 0,01 -	72 h	Pseudokirchneriella subcapitata		OECD 201		
	Acute crustacea toxicity	EC50 0,1 mg/l	> 0,01 -	48 h	Daphnia magna (Big water flea)		OECD 202		
5989-27-5	(R)-p-Mentha-1,8-diene, d	l-limonene							
	Acute fish toxicity	LC50 mg/l	0,72	96 h	Pimephales promelas (fathead minnow)	REACh Registration Dossier	OECD 203		
	Acute algae toxicity	ErC50 mg/l	0,32	72 h	Pseudokirchneriella subcapitata	REACh Registration Dossier	OECD 201		
	Acute crustacea toxicity	EC50 mg/l	0,307	48 h	Daphnia magna (Big water flea)	GESTIS	OECD 202		

# 12.2. Persistence and degradability

The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.



according to Regulation (EC) No 1907/2006

#### Clean Up G555 Revision date: 23.01.2024 Page 9 of 12 CAS No Chemical name Method Value d Source Evaluation 64-17-5 Ethanol **OECD 301 B** > 60% 28 Readily biodegradable (according to OECD criteria). 112-34-5 2-(2-Butoxyethoxy)ethanol, Diethylene glycol monobutyl ether OECD 301 C > 70 % 28 Readily biodegradable (according to OECD criteria) 122-99-6 2-Phenoxyethanol > 70 % **OECD 301 A** 28 Readily biodegradable (according to OECD criteria). 25307-17-9 2,2'-(Octadec-9-enylimino) bisethanol > 60 % OECD 301 D 28 Readily biodegradable (according to OECD criteria). 5989-27-5 (R)-p-Mentha-1,8-diene, d-limonene > 60% **OECD 301 B** 28 Readily biodegradable (according to OECD criteria).

#### 12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

# Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
64-17-5	Ethanol	-0,31
112-34-5	2-(2-Butoxyethoxy)ethanol, Diethylene glycol monobutyl ether	1
122-99-6	2-Phenoxyethanol	1,2
25307-17-9	2,2'-(Octadec-9-enylimino) bisethanol	3,4
5989-27-5	(R)-p-Mentha-1,8-diene, d-limonene	4,38

# BCF

CAS No	Chemical name	BCF	Species	Source
122-99-6	2-Phenoxyethanol	0,3493		
25307-17-9	2,2'-(Octadec-9-enylimino) bisethanol	23,4		

## 12.4. Mobility in soil

The product has not been tested.

# 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

# 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

# 12.7. Other adverse effects

No information available.

# **SECTION 13: Disposal considerations**

# 13.1. Waste treatment methods

# **Disposal recommendations**

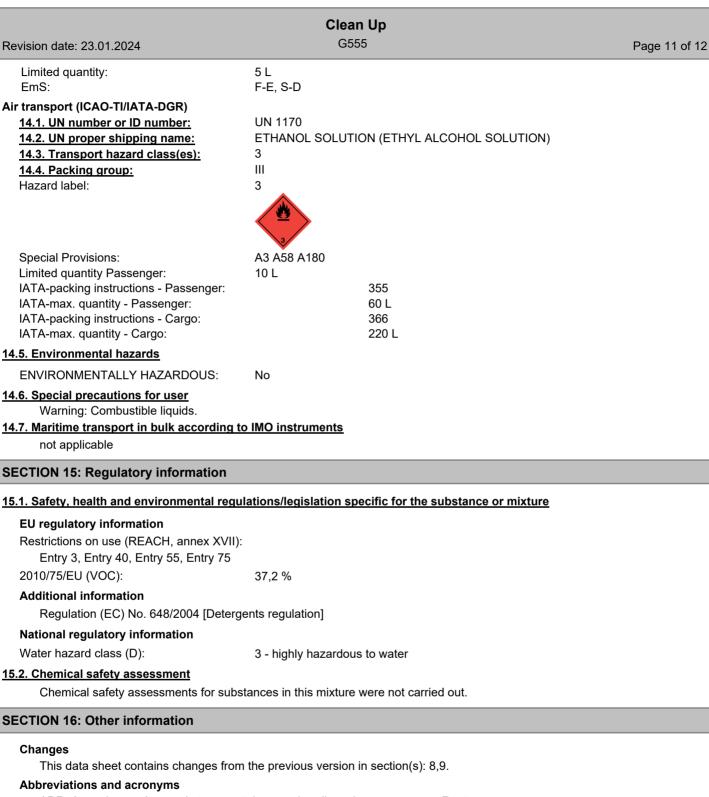
Dispose of waste according to applicable legislation. Delivery to an approved waste disposal company.

according to Regulation (EC) No 1907/2006

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List of Wastes 070604		roducts CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, ants and cosmetics; other organic solvents, washing liquids and mother		
List of Wastes 150102	s Code - contaminated packaging WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging			
Contaminated Delivery to	l <b>packaging</b> an approved waste disposal	company.		
SECTION 14: Transport information				
14.2. UN prop	ber or ID number: er shipping name: rt hazard class(es):	UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) 3 III 3		
Classification of Special Provisi Limited quantit Transport cate Hazard No: Tunnel restrict	ions: y: gory:	F1 144 601 5 L 3 30 D/E		
14.2. UN prope	ber or ID number: er shipping name: rt hazard class(es):	UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) 3 III 3		
Classification of Special Provisi Limited quantit	ons:	F1 144 601 5 L		
<u>14.2. UN prop</u> <u>14.3. Transpo</u> <u>14.4. Packing</u> Hazard label:	ber or ID number: er shipping name: rt hazard class(es): group:	UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) 3 III 3		
Marine polluta Special Provis		no 144, 223		



according to Regulation (EC) No 1907/2006



ADR: Accord européen sur le transport 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 EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service



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LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Process categories according to ECHA guidance on information requirements and chemical safety assessment, chapter R.12:

PROC 1: Use in closed processes.

PROC 2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC 4: Chemical production where opportunity for exposure arises

PROC 7: Industrial spraying

PROC 8 (Transfer): Dilution of concentrated products, application of drain cleaners, dosage of textile washing agents.

PROC 9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

PROC 10 (Roller application or brushing): Processing without large-scale spraying.

PROC 11 (Spraying outside industrial settings): Processing with large-scale spraying (e. g. high pressure cleaning, foam gun).

PROC 13: Treatment of articles by dipping and pouring

PROC 19 (Hand-mixing with intimate contact): Hand cleaning and disinfection

# Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains Limonene. May produce an allergic reaction.

## **Further Information**

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]: 9 (1)

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.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)