

Safety Data Sheet

according to Regulation (EC) No 1907/2006

TEMPOFORTE

Revision date: 15.06.2018

Product code: 70253_CLP

Page 1 of 11

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

TEMPOFORTE

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

Cleaning agent, alkaline
Reserved for industrial and professional use.

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Company name:	DR.SCHNELL GmbH & Co. KGaA	
Street:	Taunusstraße 19	
Place:	D-80807 München	
Telephone:	+49/89/350608-0	Telefax: +49/89/350608-47
e-mail:	info@dr-schnell.de	
Contact person:	Josef Feuerstein	Telephone: +49/89/350608-46
e-mail:	sdb@dr-schnell.de	
Internet:	www.dr-schnell.de	
Responsible Department:	Labor	

1.4. Emergency telephone number:

Emergency CONTACT (24-Hour-Number) international:
GBK GmbH +49 (0) 61 32 - 8 44 63

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:
Serious eye damage/eye irritation: Eye Irrit. 2
Hazard Statements:
Causes serious eye irritation.

2.2. Label elements**Regulation (EC) No. 1272/2008****Signal word:** Warning**Pictograms:****Hazard statements**

H319 Causes serious eye irritation.

Precautionary statements

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.
P337+P313 If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

The components in this formulation do not meet the criteria for classification as PBT or vPvB. Observe pH value.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

TEMPOFORTE

Revision date: 15.06.2018

Product code: 70253_CLP

Page 2 of 11

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
122-99-6	2-phenoxyethanol			5 - < 10 %
	204-589-7	603-098-00-9		
	Acute Tox. 4, Eye Irrit. 2; H302 H319			
5131-66-8	3-butoxypropan-2-ol			5 - < 10 %
	225-878-4		01-2119475527-28	
	Skin Irrit. 2, Eye Irrit. 2; H315 H319			
34590-94-8	Dipropylene glykolmonomethyl ether			1 - < 5 %
	252-104-2			
64-17-5	Ethanol			1 - < 5 %
	200-578-6	603-002-00-5	01-2119457610-43	
	Flam. Liq. 2, Eye Irrit. 2; H225 H319			
15763-76-5	Sodium cumenesulphonate			1 - < 5 %
	239-854-6		01-2119489411-37	
	Eye Irrit. 2; H319			
124-68-5	2-amino-2-methylpropanol			1 - < 5 %
	204-709-8	603-070-00-6		
	Eye Irrit. 2, Skin Irrit. 2, Aquatic Chronic 3; H319 H315 H412			

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

Further Information

Regulation (EC) No. 648/2004 (Detergents regulation)
 5 % - < 15 % nonionic surfactants
 perfumes
 Phenoxyethanol

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Move victim out of danger zone. Provide fresh air.
 In all cases of doubt, or when symptoms persist, seek medical advice.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.
 Remove contaminated clothing immediately and dispose off safely.
 In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.
 Remove contact lenses, if present and easy to do. Continue rinsing.
 In all cases of doubt, or when symptoms persist, seek medical advice.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

TEMPOFORTE

Revision date: 15.06.2018

Product code: 70253_CLP

Page 3 of 11

After ingestion

Rinse mouth immediately and drink plenty of water.
 If swallowed, seek medical advice immediately and show this container or label.
 Do NOT induce vomiting.

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

If applicable, delayed symptoms and effects can be found in section 11. , i.e. under section 4.1 for absorption methods.

The following symptoms may occur: Eye irritation
 With long-term contact: Skin irritation

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

Treat symptomatically. No information available.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings. Co-ordinate fire-fighting measures to the fire surroundings.
 Water spray. / alcohol resistant foam. / Carbon dioxide (CO₂). / Dry extinguishing powder.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Non-flammable. Vapours can form explosive mixtures with air. Hazardous combustion products
 Oxides of carbon
 Nitrogen oxides (NO_x).
 Poisonous gases

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.
 If necessary Full protective suit.

Additional information

Use water spray jet to protect personnel and to cool endangered containers.
 Suppress gases/vapours/mists with water spray jet.
 Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
 Dispose of waste according to applicable legislation.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Provide adequate ventilation.
 Avoid contact with eyes and skin.
 Avoid breathing dust/fume/gas/mist/vapours/spray.
 If necessary Caution, slippery

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).
 Do not allow to enter into surface water or drains.
 Leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
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Safety Data Sheet

according to Regulation (EC) No 1907/2006

TEMPOFORTE

Revision date: 15.06.2018

Product code: 70253_CLP

Page 4 of 11

Can be diluted with water
Flush residue with plenty of water.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13 For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

In addition to the information contained in this section, relevant information can also be found in sections 8 and 6.1.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Further information on handling

Provide adequate ventilation.
Avoid contact with eyes and skin.
When using do not eat, drink or smoke.
Wash hands before breaks and after work.
General hygiene measures for the handling of chemicals are applicable.
Observe instructions for use.
Notice the directions for use on the label.
Working methods should be applied according to operating instructions.
Keep away from food, drink and animal feedingstuffs.
Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed. Not to be stored in gangways or stair wells.
Store product closed and only in original packing.
storage temperature: at room temperature
Protect against: frost.

Advice on storage compatibility

No special measures are necessary.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
34590-94-8	(2-methoxymethylethoxy) propanol	50	308		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

8.2. Exposure controls

Safety Data Sheet

according to Regulation (EC) No 1907/2006

TEMPOFORTE

Revision date: 15.06.2018

Product code: 70253_CLP

Page 5 of 11

Appropriate engineering controls

Provide adequate ventilation.

This can be achieved by local exhaust ventilation or general ventilation.

When exceeding the occupational exposure limit (OEL): Use appropriate respiratory protection.

Applies only if maximum permissible exposure values are listed here.

Protective and hygiene measures

Remove contaminated, saturated clothing immediately.

Draw up and observe skin protection programme.

When using do not eat or drink.

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and after work.

Keep away from food, drink and animal feedingstuffs.

Contaminated work clothing should not be allowed out of the workplace.

Eye/face protection

Wear eye/face protection. (EN 166)

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

No tests have been carried out.

If necessary

Protective gloves made of butyl (EN 374)

Protective gloves of neoprene (EN 374) / CR (polychloroprenes, Chloroprene rubber). (EN 374)

Protective gloves of nitrile (EN 374), Minimum coating thickness in mm: 0,5 - Permeation time (penetration time) in minutes: 240

The calculated penetration times according to EN 374 part III were not performed under real conditions.

A maximum gestation period that corresponds with 50% of the penetration time is recommended.

Hand lotion are recommended.

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. With correct and proper use, and under normal conditions, breathing protection is not required.

Environmental exposure controls

No information available.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	liquid	
Colour:	colourless	
Odour:	characteristic	
pH-Value:		11,5

Changes in the physical state

Melting point:	not determined
Initial boiling point and boiling range:	not determined
Flash point:	not determined

Safety Data Sheet

according to Regulation (EC) No 1907/2006

TEMPOFORTE

Revision date: 15.06.2018

Product code: 70253_CLP

Page 6 of 11

Sustaining combustion: Not sustaining combustion

Flammability

Solid: not determined

Gas: not determined

Explosive properties

not determined

Lower explosion limits: not determined

Upper explosion limits: not determined

Auto-ignition temperature

Solid: not determined

Gas: not determined

Decomposition temperature: not determined

Oxidizing properties

not determined

Vapour pressure: not determined

Vapour pressure: not determined

Density: 1,006 g/cm³

Bulk density: not applicable

Water solubility: easily soluble.

Solubility in other solvents

not determined

Partition coefficient: not determined

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

Vapour density: not determined

Evaporation rate: not determined

Solvent content: not determined

9.2. Other information

Solid content: not determined

Mixability: not determined

Fat solubility (g/l): not determined

Conductivity: not determined

Surface tension: not determined

SECTION 10: Stability and reactivity**10.1. Reactivity**

The product has not been tested.

10.2. Chemical stability

Stable with proper storage and handling.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

See also section 7.

No information available.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

TEMPOFORTE

Revision date: 15.06.2018

Product code: 70253_CLP

Page 7 of 11

10.5. Incompatible materials

Avoid contact with strong oxidants
 Avoid contact with strong acids.

10.6. Hazardous decomposition products

See also section 5.2.
 No decomposition when used as directed.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

Possibly more information on health effects, see Section 2.1 (classification).

Acute toxicity

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
122-99-6	2-phenoxyethanol				
	oral	LD50 mg/kg	1850	Rat	
	dermal	LD50 mg/kg	>2000	Rabbit	
64-17-5	Ethanol				
	oral	LD50 mg/kg	10410	Rat	
	dermal	LD50 mg/kg	>2000	Rabbit	
	inhalation (4 h) vapour	LC50 mg/l	117-125	Rat	
15763-76-5	Sodium cumenesulphonate				
	oral	LD50 mg/kg	>2000	Rat	
	dermal	LD50 mg/kg	>2000	Rabbit	
	inhalation (4 h) vapour	LC50	>5 mg/l	Rat	
124-68-5	2-amino-2-methylpropanol				
	oral	LD50 mg/kg	2900	Ratte	IUCLID
	dermal	LD50 mg/kg	> 2000	Kaninchen	IUCLID

Irritation and corrosivity

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

Sensitising effects

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

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.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

TEMPOFORTE

Revision date: 15.06.2018

Product code: 70253_CLP

Page 8 of 11

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.

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

See section 2.1 (rating) for potentially additional information concerning environmental effects.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
122-99-6	2-phenoxyethanol					
	Acute fish toxicity	LC50 220 - 460 mg/l	96 h	Leuciscus idus		
	Acute algae toxicity	ErC50 > 500 mg/l	72 h	Scenedesmus sp.		
	Acute crustacea toxicity	EC50 > 500 mg/l	48 h	Daphnia magna		
64-17-5	Ethanol					
	Acute fish toxicity	LC50 13000 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)		
	Acute algae toxicity	ErC50 275 mg/l	72 h	Chlorella vulgaris		
	Acute crustacea toxicity	EC50 12340 mg/l	48 h	Daphnia magna (Big water flea)	Daphnia magna	
15763-76-5	Sodium cumenesulphonate					
	Acute fish toxicity	LC50 >100 mg/l	96 h	Cyprinus carpio (Common Carp)		
	Acute algae toxicity	ErC50 >100 mg/l	72 h	Grünalge	Desmodesmus subspicatus	
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	Daphnia magna		
124-68-5	2-amino-2-methylpropanol					
	Acute fish toxicity	LC50 190 mg/l	96 h	Lepomis macrochirus	IUCLID	
	Acute algae toxicity	ErC50 520 mg/l	72 h	Desmodesmus subspicatus		

12.2. Persistence and degradability

The surfactant contained in this mixture complies 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.

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
122-99-6	2-phenoxyethanol	1,16
64-17-5	Ethanol	-0,35
124-68-5	2-amino-2-methylpropanol	-0,74

Safety Data Sheet

according to Regulation (EC) No 1907/2006

TEMPOFORTE

Revision date: 15.06.2018

Product code: 70253_CLP

Page 9 of 11

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

Further information

Avoid release to the environment. According to the recipe, does not contain AOX

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

For example: designated incinerator

E.g. dispose at suitable refuse site.

Waste disposal number of waste from residues/unused products

200130 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents other than those mentioned in 20 01 29

Waste disposal number of contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled. Dispose of waste according to applicable legislation.

Completely empty containers

Contaminated packages must be completely emptied and can be re-used following proper cleaning.

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information**Land transport (ADR/RID)****14.1. UN number:** not applicable**14.2. UN proper shipping name:** not applicable**14.3. Transport hazard class(es):** not applicable**14.4. Packing group:** not applicable**Inland waterways transport (ADN)****14.1. UN number:** not applicable**14.2. UN proper shipping name:** not applicable**14.3. Transport hazard class(es):** not applicable**14.4. Packing group:** not applicable**Marine transport (IMDG)****14.1. UN number:** not applicable**14.2. UN proper shipping name:** not applicable**14.3. Transport hazard class(es):** not applicable**Air transport (ICAO-TI/IATA-DGR)****14.1. UN number:** not applicable

Safety Data Sheet

according to Regulation (EC) No 1907/2006

TEMPOFORTE

Revision date: 15.06.2018

Product code: 70253_CLP

Page 10 of 11

14.2. UN proper shipping name: not applicable**14.3. Transport hazard class(es):** not applicable**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not a hazardous material with respect to these transportation regulations.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

2010/75/EU (VOC): 6,269 % (62,685 g/l)

2004/42/EC (VOC): 12,674 % (126,738 g/l)

Additional information

To follow: 850/2004/EC , 79/117/EEC , 689/2008/EC

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Changes**

Revised sections: 1, 9, 16

Additional information:

<10% in aqueous solution: The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

Abbreviations and acronyms

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

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

TEMPOFORTE

Revision date: 15.06.2018

Product code: 70253_CLP

Page 11 of 11

Further Information

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.)