

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

- 1.1 Product identifier**
Trade name PROMAT CHEMICALS SANITÄRREINIGER
Unique formula identifier (UFI) WU00-D0KF-W00V-PWVE
- Article number** 4000 355705 (1 Ltr.)
4000 355706 (5 Ltr.)
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Relevant identified uses General use
Washing and cleaning product
- 1.3 Details of the supplier of the safety data sheet**
 NORTHWEST Handel AG
 Robert-Schuman-Straße 17
 44263 Dortmund
 Germany
 Telephone: +49 (0)231 2222-3001
 Telefax: +49 (0)231 2222-3099
 e-mail: sdb@nordwest.com
 Website: www.nordwest.com
e-mail (competent person) sdb@nordwest.com
- 1.4 Emergency telephone number**

Poison centre			
Country	Name	Postal code/city	Telephone
Austria	Vergiftungsinformationszentrale (VIZ)		+43 (0)1 406 43 43
Germany	Gemeinsamen Giftinformationszentrum (GGIZ) der Laender Mecklenburg-Vorpommern, Sachsen, Sachsen-Anhalt und Thuringen c/o HE-LIOS Klinikum Erfurt	99089 Erfurt	+49-361-730730
Switzerland	Tox Info Suisse		+145, 24h oder +41 44 251 51 51

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture**
Classification according to Regulation (EC) No 1272/2008 (CLP)

Section	Hazard class	Category	Hazard class and category	Hazard statement
3.3	serious eye damage/eye irritation	2	Eye Irrit. 2	H319

For full text of abbreviations: see SECTION 16.

- 2.2 Label elements**
Labelling according to Regulation (EC) No 1272/2008 (CLP)

Signal word warning

Pictograms

GHS07



Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/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.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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2.3 Other hazards

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0,1\%$.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Identifier	Name of substance	Wt%	Classification acc. to GHS	Pictograms	Notes	Specific Conc. Limits
CAS No 26183-52-8	Alkohol C10, ethoxyliert	5 – < 10	Eye Irrit. 2 / H319			
CAS No 5329-14-6 EC No 226-218-8 Index No 016-026-00-0 REACH Reg. No 01-2119488633-28-xxxx	Sulphamidic acid	1 – < 5	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Aquatic Chronic 3 / H412		GHS-HC	
CAS No 7664-38-2 EC No 231-633-2 Index No 015-011-00-6 REACH Reg. No 01-2119485924-24	orthophosphoric acid	1 – < 5	Skin Corr. 1B / H314 Eye Dam. 1 / H318		B GHS-HC IOELV	Skin Corr. 1B; H314: C $\geq 25\%$ Skin Irrit. 2; H315: 10 % $\leq$ C < 25 % Eye Dam. 1; H318: C $\geq 25\%$ Eye Irrit. 2; H319: 10 % $\leq$ C < 25 %

Notes

B: Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

GHS-HC: Harmonised classification (the classification of the substance corresponds to the entry in the list according to 1272/

2008/EC, Annex VI)

IOELV: Substance with a community indicative occupational exposure limit value

Hazardous ingredients, Specific Conc. Limits, M-factors, ATE

Name of substance	Specific Conc. Limits	M-Factors	ATE	Exposure route
orthophosphoric acid	Skin Corr. 1B; H314: C $\geq 25\%$ Skin Irrit. 2; H315: 10 % $\leq$ C < 25 % Eye Dam. 1; H318: C $\geq 25\%$ Eye Irrit. 2; H319: 10 % $\leq$ C < 25 %	-	-	

For full text of abbreviations: see SECTION 16.

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SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Nitrogen oxides (NO_x), Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Control of effects

Protect against external exposure, such as

frost

Packaging compatibilities

Keep only in original container.

Storage class (LGK) TRGS 510

LGK 8 A (combustible corrosive materials (except only corrosive to metals))

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
DE	orthophosphoric acid	7664-38-2	AGW		2		4			i, Y	TRGS 900
EU	orthophosphoric acid	7664-38-2	IOELV		1		2				2000/39/EC

Notation

Ceiling-C ceiling value is a limit value above which exposure should not occur

i inhalable fraction

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-

minute period (unless otherwise specified)

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8

hours time-weighted average (unless otherwise specified)

Y a risk of developmental toxicity does not need to be expected if the occupational exposure limit value and the biological limit value (BGW) are adhered to

Relevant DNELs of components						
Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Sulphamidic acid	5329-14-6	DNEL	70.5 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Sulphamidic acid	5329-14-6	DNEL	10 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
orthophosphoric acid	7664-38-2	DNEL	2 mg/m³	human, inhalatory	worker (industry)	acute - local effects
orthophosphoric acid	7664-38-2	DNEL	1 mg/m³	human, inhalatory	worker (industry)	chronic - local effects

Relevant PNECs of components						
Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
Sulphamidic acid	5329-14-6	PNEC	1.8 mg/l	aquatic organisms	freshwater	short-term (single instance)
Sulphamidic acid	5329-14-6	PNEC	0.18 mg/l	aquatic organisms	marine water	short-term (single instance)

Relevant PNECs of components						
Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
Sulphamidic acid	5329-14-6	PNEC	0.48 mg/l	aquatic organisms	water	intermittent release
Sulphamidic acid	5329-14-6	PNEC	20 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Sulphamidic acid	5329-14-6	PNEC	8.36 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Sulphamidic acid	5329-14-6	PNEC	5 mg/kg	terrestrial organisms	soil	short-term (single instance)
Sulphamidic acid	5329-14-6	PNEC	0.84 mg/kg	aquatic organisms	marine sediment	short-term (single instance)

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)



Personal protective equipment shall be used when the risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization.

Eye/face protection

Use protective eyewear to guard against splash of liquids.

Skin protection

Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. 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.

Type of material

NR: natural rubber, latex, FKM: fluoro-elastomer

Breakthrough times of the glove material

>480 minutes (permeation: level 6)

Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Colour	red
Odour	fruity
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	100 °C at 1.013 bar
Flammability	this material is combustible, but will not ignite readily
Lower and upper explosion limit	not determined
Flash point	not determined
Auto-ignition temperature	not determined
Decomposition temperature	not relevant
pH (value)	2.1 – 2.4 (20 °C) (acid)
Kinematic viscosity	not determined

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Solubility(ies)

Water solubility miscible in any proportion

Partition coefficient

Partition coefficient n-octanol/water (log value) this information is not available

Vapour pressure

0.023 bar at 20 °C

Density and/or relative density

Density 1.025 g/ml at 20 °C (calculated value)

Relative vapour density information on this property is not available

9.2 Other information

Information with regard to physical hazard classes hazard classes acc. to GHS (physical hazards): not relevant

Other safety characteristics

Miscibility Completely miscible with water.

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

10.5 Incompatible materials

Oxidisers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

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

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Shall not be classified as acutely toxic.

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitizer.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

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11.2 Information on other hazards

There is no additional information.

SECTION 12: Ecological information

12.1 Toxicity

Acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment. Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV): WGK 1, slightly hazardous to water (Germany)

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0,1\%$.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Relevant provisions relating to waste

List of wastes, (Recommendations)

Product

20 01 29* Detergents containing hazardous substances

Product residues

15 01 10* Packaging containing residues of or contaminated by hazardous substances

Packagings

15 01 02 Plastic packaging

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID/ADN UN 1760

IMDG-Code UN 1760

ICAO-TI UN 1760

14.2 UN proper shipping name

ADR/RID/ADN CORROSIVE LIQUID, N.O.S.

IMDG-Code CORROSIVE LIQUID, N.O.S.

ICAO-TI Corrosive liquid, n.o.s.

Technical name (hazardous ingredients) Sulphamidic acid, (R)-p-mentha-1,8-diene

14.3 Transport hazard class(es)

ADR/RID/ADN 8

IMDG-Code 8

ICAO-TI 8

14.4 Packing group

ADR/RID/ADN III

IMDG-Code III

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- 14.5 Environmental hazards** III non-environmentally hazardous acc. to the dangerous goods regulations
- 14.6 Special precautions for user**
Provisions for dangerous goods (ADR) should be complied within the premises.
- 14.7 Maritime transport in bulk according to IMO instruments**
The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) Additional information

Classification code C9
Danger label(s) 8



Special provisions (SP) 274
Excepted quantities (EQ) E1
Limited quantities (LQ) 5 L
Transport category (TC) 3
Tunnel restriction code (TRC) E
Hazard identification No 80

International Maritime Dangerous Goods Code (IMDG) Additional information

Marine pollutant -
Danger label(s) 8



Special provisions (SP) 223, 274
Excepted quantities (EQ) E1
Limited quantities (LQ) 5 L
EmS F-A, S-B
Stowage category A

International Civil Aviation Organization (ICAO-IATA/DGR) Additional information

Danger label(s) 8



Special provisions (SP) A3
Excepted quantities (EQ) E1
Limited quantities (LQ) 1 L

SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

none of the ingredients are listed

Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

none of the ingredients are listed

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

none of the ingredients are listed

Water Framework Directive (WFD)

none of the ingredients are listed

Regulation on the marketing and use of explosives precursors

none of the ingredients are listed

Regulation 648/2004/EC on detergents

Labelling of contents	
Constituents	Weight % content (or range)
non-ionic surfactants	5 % or over but less than 15 %
perfumes	

Regulation on persistent organic pollutants (POP)

none of the ingredients are listed

National regulations (Germany)

Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV)

Wassergefährdungsklasse, WGK (water hazard class) 1 slightly hazardous to water

Technical instructions on air quality control (Germany)

Number	Group of substances	Class	Conc.	Mass flow	Mass concentration	Notation
5.2.5	organic substances		5 – < 10 wt%	0.5 kg/h	50 mg/m ³	3)

Notation

3) a total mass flow of 0.50 kg/h or a total mass concentration of 50 mg/m³, each of which to be indicated as total carbon, shall not be exceeded (except organic particulate matter)

National inventories

Country	Inventory	Status
EU	REACH Reg.	all ingredients are listed

Legend

REACH Reg. REACH registered substances

15.2 Chemical safety assessment

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

SECTION 16: Other information

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
1.1	Unique formula identifier (UFI): WU00-D0KF-W00V-PWVE		yes
1.1		Unique formula identifier (UFI): WU00-D0KF-W00V-PWVE	yes
1.2	Uses advised against: do not use for products which come into contact with foodstuffs		yes
1.3	Details of the supplier of the safety data sheet: NORDWEST Handel AG Robert-Schuman-Straße 17 44263 Dortmund Germany Telephone: +49 (0)231 2222-3001 Telefax: +49 (0)231 2222-3099 Website: www.nordwest.com	Details of the supplier of the safety data sheet: NORDWEST Handel AG Robert-Schuman-Straße 17 44263 Dortmund Germany Telephone: +49 (0)231 2222-3001 Telefax: +49 (0)231 2222-3099 e-mail: sdb@nordwest.com Website: www.nordwest.com	yes
1.3	e-Mail (competent person): sdb@nordwest.com		yes
1.3		e-mail (competent person): sdb@nordwest.com	yes
1.4		Poison centre: change in the listing (table)	yes
2.1		Classification according to Regulation (EC) No 1272/2008 (CLP): change in the listing (table)	yes
2.1	Remarks: For full text of H-phrases: see SECTION 16.		yes

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2.2		Pictograms: change in the listing (table)	yes
2.2		Pictograms: change in the listing (table)	yes
2.2		Pictograms: change in the listing (table)	yes
2.2		Pictograms: change in the listing (table)	yes
2.2		Pictograms: change in the listing (table)	yes
2.2		Pictograms: change in the listing (table)	yes
2.3	Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.		yes
2.2		Precautionary statements: change in the listing (table)	yes
2.3	Other hazards: There is no additional information.	Other hazards	yes
2.3		Results of PBT and vPvB assessment: Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$.	yes
2.3		Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0,1\%$.	yes
3.1		Substances: Not relevant (mixture)	yes
3.2		Hazardous ingredients acc. to EU regulation: change in the listing (table)	yes
3.2		Description of the mixture: change in the listing (table)	yes
3.2		Hazardous ingredients, Specific Conc. Limits, M-factors, ATE: change in the listing (table)	yes
4.1	Following skin contact: Wash with plenty of soap and water. Take off contaminated clothing.	Following skin contact: Wash with plenty of soap and water.	yes
4.1	Following ingestion: Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.	Following ingestion: Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.	yes
7.2	Managing of associated risks		yes
7.2	Incompatible substances or mixtures: Observe hints for combined storage.		yes
7.2	Consideration of other advice: Observe instructions for use. Keep out of reach of children.		yes
7.2	• Packaging compatibilities: Only packagings which are approved (e.g. acc. to ADR) may be used.	Packaging compatibilities: Keep only in original container.	yes

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7.2		Storage class (LGK) TRGS 510: LGK 8 A (combustible corrosive materials (except only corrosive to metals))	yes
8.1	National limit values		yes
8.1	Occupational exposure limit values (Workplace Exposure Limits)		yes
8.1	Relevant DNELs/DNELs/PNECs and other threshold levels		yes
8.1	• relevant DNELs of components of the mixture		yes
8.1	• relevant PNECs of components of the mixture		yes
8.2	Individual protection measures (personal protective equipment): eye protection must be worn safety gloves must be worn do not eat or drink	Individual protection measures (personal protective equipment): eye protection must be worn safety gloves must be worn do not eat or drink Personal protective equipment shall be used when the risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization.	yes
8.2	Respiratory protection: In case of inadequate ventilation wear respiratory protection Full face mask/half mask/quarter mask (EN 136/140) P2 (filters at least 94 % of airborne particles, colour code: White)	Respiratory protection: In case of inadequate ventilation wear respiratory protection.	yes
8.2	Environmental exposure controls: Use appropriate container to avoid environmental contamination.	Environmental exposure controls: Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.	yes
9.1	Appearance		yes
9.1	Odour: fruity		yes
9.1	Other physical and chemical parameters		yes
9.1		Odour: fruity	yes
9.1	Flammability (solid, gas): not relevant (fluid)	Flammability: this material is combustible, but will not ignite readily	yes
9.1	Viscosity: not determined		yes
9.1	Explosive properties: none		yes
9.1	Oxidising properties: none		yes
9.1		Decomposition temperature: not relevant	yes
9.1		Kinematic viscosity: not determined	yes
9.1		Density and/or relative density	yes
9.1		Relative vapour density: information on this property is not available	yes
9.2	Other information: There is no additional information.	Other information	yes

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9.2		Information with regard to physical hazard classes: hazard classes acc. to GHS (physical hazards): not relevant	yes
9.2		Other safety characteristics	yes
9.2		Miscibility: Completely miscible with water.	yes
11.1	• Acute toxicity of components of the mixture		yes
11.1		• Acute toxicity of components of the mixture: change in the listing (table)	yes
11.1	Summary of evaluation of the CMR properties: Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.		yes
11.1	Specific target organ toxicity (STOT): Shall not be classified as a specific target organ toxicant.		yes
11.1		Germ cell mutagenicity: Shall not be classified as germ cell mutagenic.	yes
11.1		Carcinogenicity: Shall not be classified as carcinogenic.	yes
11.1		Reproductive toxicity: Shall not be classified as a reproductive toxicant.	yes
11.1		Specific target organ toxicity - single exposure: Shall not be classified as a specific target organ toxicant (single exposure).	yes
11.1		Specific target organ toxicity - repeated exposure: Shall not be classified as a specific target organ toxicant (repeated exposure).	yes
11.2		Information on other hazards: There is no additional information.	yes
12.1	Toxicity: acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment. Wassergefährdungsklasse, WGK (water hazard class) (WGK; Germany): 1 (slightly hazardous to water)	Toxicity: Acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment. Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV): WGK 1, slightly hazardous to water (Germany)	yes
12.1	Aquatic toxicity (acute)		yes
12.1	Aquatic toxicity (acute) of components of the mixture		yes
12.1		Aquatic toxicity (acute) of components of the mixture: change in the listing (table)	yes
12.1	Aquatic toxicity (chronic)		yes
12.1	Aquatic toxicity (chronic) of components of the mixture		yes
12.1		Aquatic toxicity (chronic) of components of the mixture: change in the listing (table)	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
12.5	Results of PBT and vPvB assessment: Data are not available.	Results of PBT and vPvB assessment: According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$.	yes
12.6	Endocrine disrupting potential: None of the ingredients are listed.	Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0,1\%$.	yes
13.1	List of wastes: not assigned	List of wastes, (Recommendations)	yes
13.1		Product: 20 01 29* Detergents containing hazardous substances	yes
13.1		Product residues: 15 01 10* Packaging containing residues of or contaminated by hazardous substances	yes
13.1		Packagings: 15 01 02 Plastic packaging	yes
14.1	UN number: 1760	UN number or ID number	yes
14.1		ADR/RID/ADN: UN 1760	yes
14.1		IMDG-Code: UN 1760	yes
14.1		ICAO-TI: UN 1760	yes
14.2	UN proper shipping name: CORROSIVE LIQUID, N.O.S.	UN proper shipping name	yes
14.2		ADR/RID/ADN: CORROSIVE LIQUID, N.O.S.	yes
14.2		IMDG-Code: CORROSIVE LIQUID, N.O.S.	yes
14.2		ICAO-TI: Corrosive liquid, n.o.s.	yes
14.3	Class: 8 (corrosive substances)		yes
14.3		ADR/RID/ADN: 8	yes
14.3		IMDG-Code: 8	yes
14.3		ICAO-TI: 8	yes
14.4	Packing group: III (substance presenting low danger)	Packing group	yes
14.4		ADR/RID/ADN: III	yes
14.4		IMDG-Code: III	yes
14.4		ICAO-TI: III	yes

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14.5	Environmental hazards: none (non-environmentally hazardous acc. to the dangerous goods regulations)	Environmental hazards: non-environmentally hazardous acc. to the dangerous goods regulations	yes
14.7	UN number: 1760		yes
14.7	Proper shipping name: CORROSIVE LIQUID, N.O.S.		yes
14.7	Class: 8		yes
14.7	Packing group: III		yes
14.7	UN number: 1760		yes
14.7	Proper shipping name: CORROSIVE LIQUID, N.O.S.		yes
14.7	Class: 8		yes
14.7	Packing group: III		yes
14.7		Marine pollutant: -	yes
14.7	UN number: 1760		yes
14.7	Proper shipping name: Corrosive liquid, n.o.s.		yes
14.7	Class: 8		yes
14.7	Packing group: III		yes
14.7		Danger label(s): change in the listing (table)	yes
14.7		Danger label(s): change in the listing (table)	yes
15.1	• Restrictions according to REACH, Annex XVII		yes
15.1		• Restrictions according to REACH, Annex XVII: change in the listing (table)	yes
15.1	Regulation 648/2004/EC on detergents		yes
15.1		Labelling of contents: change in the listing (table)	yes
15.1		Regulation 648/2004/EC on detergents	yes
15.1		Labelling of contents: change in the listing (table)	yes
15.1		Regulation on persistent organic pollutants (POP): none of the ingredients are listed	yes
15.1	• Storage of hazardous substances in non-stationary containers (TRGS 510) (Germany)		yes

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
15.1	Storage class (LGK): 8 A (combustible corrosive materials (except only corrosive to metals))		yes
15.1	National inventories		yes
15.1		National inventories: change in the listing (table)	yes
15.1		National inventories	yes
15.1		National inventories: change in the listing (table)	yes
16		Abbreviations and acronyms: change in the listing (table)	yes
16	Key literature references and sources for data: - Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU - Regulation (EC) No. 1272/2008 (CLP, EU GHS)	Key literature references and sources for data: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU. Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).	yes

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations.
2000/39/EC. ADN.	Commission Directive establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC. Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways).
ADR.	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road).
ADR/RID/ADN.	Agreements concerning the International Carriage of Dangerous Goods by Road/Rail/Inland Waterways (ADR/RID/ADN).
AGW.	Workplace exposure limit.
Aquatic Chronic.	Hazardous to the aquatic environment - chronic hazard.
ATE.	Acute Toxicity Estimate.
CAS.	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances).
Ceiling-C.	Ceiling value.
CLP.	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
DGR.	Dangerous Goods Regulations (see IATA/DGR).
DNEL.	Derived No-Effect Level.
EC No.	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union).
ED.	Endocrine disruptor.
EINECS.	European Inventory of Existing Commercial Chemical Substances.
ELINCS.	European List of Notified Chemical Substances.
EmS.	Emergency Schedule.
Eye Dam.	Seriously damaging to the eye.
Eye Irrit.	Irritant to the eye.
GHS.	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations.
IATA.	International Air Transport Association.
IATA/DGR.	Dangerous Goods Regulations (DGR) for the air transport (IATA).
ICAO.	International Civil Aviation Organization.
ICAO-TI.	Technical instructions for the safe transport of dangerous goods by air.
IMDG.	International Maritime Dangerous Goods Code.
IMDG-Code.	International Maritime Dangerous Goods Code.
Index No.	The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008.
IOELV.	Indicative occupational exposure limit value.
LGK.	Lagerklasse (storage class according to TRGS 510, Germany).
NLP.	No-Longer Polymer.
PBT.	Persistent, Bioaccumulative and Toxic.
PNEC.	Predicted No-Effect Concentration.
Ppm.	Parts per million.
REACH.	Registration, Evaluation, Authorisation and Restriction of Chemicals.
RID.	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail).
Skin Corr.	Corrosive to skin.
Skin Irrit.	Irritant to skin.
STEL.	Short-term exposure limit.
SVHC.	Substance of Very High Concern.
TRGS.	Technische Regeln für Gefahrstoffe (technical rules for hazardous substances, Germany).
TRGS 900.	Arbeitsplatzgrenzwerte (TRGS 900).
TWA.	Time-weighted average.
VPvB.	Very Persistent and very Bioaccumulative.

Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

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List of relevant phrases (code and full text as stated in section 2 and 3)

H314.	Causes severe skin burns and eye damage.
H315.	Causes skin irritation.
H318.	Causes serious eye damage.
H319.	Causes serious eye irritation.
H412.	Harmful to aquatic life with long lasting effects.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.