

SAFETY DATA SHEET (EC 1907/2006)**PH Liquid**

Version:	1.5 / GB	Material no.	5525000010
Revision date:	06.10.2017	Specification	172567
Issue date:	16.08.2013	VA-Nr	01776392
replaces version:	1.4		
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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name	PH Liquid
REACH Registration No.:	if available listed in Chapter. 3

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

Relevant applications identified	For dental use only.
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1.3. Details of the supplier of the safety data sheet

Company	DeguDent GmbH Postfach 1364 D-63403 Hanau
Telephone	+49 (0)6181/59-5767
Telefax	+49 (0)6181/59-5879
Email address	SDB.Degudent-DE@dentsplysirona.com

1.4. Emergency telephone number

Emergency information	+49 (0)6181/59-50 (This telephone number is available during office hours only.)
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SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Remarks	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008., Assessment of hazardous properties and decision regarding classification as per VO EG 1272/2008 Chap. 2.
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2.2. Label elements**Labelling as per (EU) 1272/2008**

Remarks	Labelling not required according to EU-CLP Ordinance (1272/2008).
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2.3. Other hazards

No hazardous reactions are known if properly handled and stored., Contains small amounts of (below the concentration to take them into consideration for);, Formaldehyde
A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out.

SECTION 3: Composition/information on ingredients**3.1. Substances**

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3.2. Mixtures**Information on ingredients / Hazardous components as per EU-CLP Regulation (EC) No. 1272/2008**

• Silicon dioxide, chemically prepared	30% - 40%		
CAS-No.	7631-86-9	EC-No.	231-545-4

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• formaldehyde...%		< 0.2%	
CAS-No.	50-00-0	EC-No.	200-001-8
Carcinogenicity		Category 2	H351
Acute toxicity (inhalation)		Category 3	H331
Acute toxicity (dermal)		Category 3	H311
Acute toxicity (oral)		Category 3	H301
Skin corrosion/irritation		Category 1B	H314
Skin Sensitisation		Category 1	H317

Texts of H phrases, see in Chapter 16

SECTION 4: First aid measures

4.1. Description of first aid measures

Remove contaminated or saturated clothing.

Inhalation

If aerosol or mists are formed:

Move victims into fresh air.

Skin contact

Upon skin contact, wash with plenty of water.

If symptoms persist, call a physician.

Eye contact

Rinse thoroughly with plenty of water keeping eyelid open.

In case of persistent discomfort

Consult an ophthalmologist.

Ingestion

Have the mouth rinsed with water.

After absorbing large amounts of substance

Do NOT induce vomiting.

Have patient drink plenty of water in small sips.

Obtain medical attention.

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

Symptoms

No information available.

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

If skin sensitisation has developed and a causal relationship has been confirmed, further exposure should not be allowed

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water spray
Foam
quenching powder
Carbon dioxide (CO₂)

Unsuitable extinguishing media: High volume water jet

5.2. Special hazards arising from the substance or mixture

The product itself does not burn.

5.3. Advice for firefighters

Extinction measures are to be adjusted to the specific location.

Employ protective equipment commonly used in the event of fire.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.

Before tackling a spillage put on protective equipment including suitable goggles, gloves, protective overalls and boots.

6.2. Environmental precautions

Prevent substance from entering soil, natural bodies of water and sewer systems.

6.3. Methods and material for containment and cleaning up

Pick up mechanically with a suitable material and collect in a suitable container.

6.4. Reference to other sections

Wear personal protective equipment; see section 8.

Disposal considerations; see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Local ventilation.

Do not allow containers and vessels to stand open

Wear suitable protective clothing and gloves.

7.2. Conditions for safe storage, including any incompatibilities

Advice on protection against fire and explosion

No special measures are required.

Storage

Keep container tightly closed in a dry and well-ventilated place.

German storage class

12 - Non Combustible Liquids

Storage stability

Protect from frost.

Keep at temperatures of between 5 °C and 30 °C.

7.3. Specific end use(s)

We are unaware of any specific end uses which go beyond the data reported in Section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

• Silicon dioxide, chemically prepared			
CAS-No.	7631-86-9	EC-No.	231-545-4
Control parameters	6 mg/m3		Time Weighted Average (TWA):(EH40 WEL)
type of exposure	Inhalable dust.		
Control parameters	2.4 mg/m3		Time Weighted Average (TWA):(EH40 WEL)
type of exposure	Respirable dust.		
• formaldehyde...%			
CAS-No.	50-00-0	EC-No.	200-001-8
Control parameters	2 ppm		Short Term Exposure Limit (STEL):(EH40 WEL)
	2.5 mg/m3		
Control parameters	2 ppm		Time Weighted Average (TWA):(EH40 WEL)
	2.5 mg/m3		

8.2. Exposure controls

Engineering measures

Local ventilation.

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Personal protective equipment

Respiratory protection

Respirator with brown A-type filter

Hand protection

Protective gloves, The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye/face protection

Safety glasses with side-shields

Skin and body protection

Usual lab protective clothing

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice., Do not eat, drink, smoke, or sniff while at work. Wash your hands and/or face before breaks and before termination of work.

Protective measures

If workplace exposure limits are exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used., If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Form	liquid
Colour	milky-white

Odour	almost odourless distinct, weakly of formaldehyde
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Odour threshold:	No data available
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pH	9 - 11	Medium:	Water
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Melting point/range	No data available
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Boiling point/range	ca. 100 °C
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Flash point	Not combustible.
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Evaporation rate	No data available
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Flammability (solid, gas)	not flammable
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Lower explosion limit	not applicable
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Upper explosion limit	not applicable
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Vapour pressure	ca. 20 hPa
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Density	ca. 1.2 g/cm ³
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Miscibility in water	completely miscible
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Partition coefficient: n-octanol/water	No data available
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Autoinflammability	Not capable of spontaneous combustion or heating.
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Thermal decomposition No data available

Viscosity, dynamic No data available

Explosiveness not explosive

Oxidizing properties not oxidizing

9.2. Other information

Other information No further physicochemical data were determined.

SECTION 10: Stability and reactivity

10.1. Reactivity

no data available

10.2. Chemical stability

The product is chemically stable.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No dangerous reactions known.

10.4. Conditions to avoid

temperatures: < 5 °C

10.5. Incompatible materials

Acids

10.6. Hazardous decomposition products

Formaldehyde

Keep at temperatures of between 5 °C and 30 °C.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity No data available

Acute inhalation toxicity no data available

Acute dermal toxicity No data available

Skin irritation irritating

Eye irritation irritating

Sensitization no data available

Repeated dose toxicity no data available

Mutagenicity assessment no data available

Carcinogenicity No data available

Toxicity to reproduction No data available

Human experience Toxic effects from handling this product are unknown as yet.

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SECTION 12: Ecological information

12.1. Toxicity

No ecotoxicological data is available for this product.

12.2. Persistence and degradability

photo-decomposition No data available

Biodegradability no data available

12.3. Bioaccumulative potential

Bioaccumulation no data available

12.4. Mobility in soil

Mobility No further information available

12.5. Results of PBT and vPvB assessment

A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out.

12.6. Other adverse effects

Further Information Introduction into soil, natural water bodies or sewerage must be prevented.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product

Disposal according to local authority regulations.

Uncleaned packaging

Disposal according to local authority regulations.

SECTION 14: Transport information

Not dangerous according to transport regulations.

14.1. UN number:	--
14.2. UN proper shipping name:	--
14.3. Transport hazard class(es):	--
14.4. Packing group:	--
14.5. Environmental hazards:	--
14.6. Special precautions for user:	No

SECTION 15: Regulatory information

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

National legislation

15.2. Chemical safety assessment

Chemical safety assessment No Chemical Safety Report as per Articles 2(8), 2(9) or 14 of the REACH

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Regulation is required for this product.

SECTION 16: Other information

Classification and applied procedure to derive the classification of mixtures according to EU Regulation (EC) No. 1272/2008 (CLP)

Relevant H phrases from chapter 3

H301	: Toxic if swallowed.
H311	: Toxic in contact with skin.
H314	: Causes severe skin burns and eye damage.
H317	: May cause an allergic skin reaction.
H331	: Toxic if inhaled.
H351	: Suspected of causing cancer.

Further information

Further information Assessment of hazardous properties and decision regarding classification as per VO EG 1272/2008 Chap. 2.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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Legend

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ASTM	American Society for Testing and Materials
ATP	Adaptation to Technical Progress
BCF	Bioconcentration factor
BetrSichV	German Ordinance on Industrial Safety and Health
c.c.	closed cup
CAS	Chemical Abstract Services
CESIO	European Committee of Organic Surfactants and their Intermediates
ChemG	German Chemicals Act
CMR	carcinogenic-mutagenic-toxic for reproduction
DIN	German Institute for Standardization
DMEL	Derived minimum effect level
DNEL	Derived no effect level
EINECS	European Inventory of Existing Commercial Chemical Substances
EC50	half maximal effective concentration
GefStoffV	German Ordinance on Hazardous Substances
GGVSEB	German ordinance for road, rail and inland waterway transportation of dangerous goods
GGVSee	German ordinance for sea transportation of dangerous goods
GLP	Good Laboratory Practice
GMO	Genetic Modified Organism
IATA	International Air Transport Association

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ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
ISO	International Organization For Standardization
LOAEL	Lowest observed adverse effect level
LOEL	Lowest observed effect level
NOAEL	No observed adverse effect level
NOEC	no observed effect concentration
NOEL	no observed effect level
o. c.	open cup
OECD	Organisation for Economic Cooperation and Development
OEL	Occupational Exposure Limit
PBT	Persistent, bioaccumulative, toxic
PEC	Predicted effect concentration
PNEC	Predicted no effect concentration
REACH	REACH registration
RID	Convention concerning International Carriage by Rail
STOT	Specific Target Organ Toxicity
SVHC	Substances of Very High Concern
TA	Technical Instructions
TPR	Third Party Representative (Art. 4)
TRGS	Technical Rules for Hazardous Substances
VCI	German chemical industry association
vPvB	very persistent, very bioaccumulative
VOC	volatile organic compounds
VwVwS	German Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes
WGK	Water Hazard Class
WHO	World Health Organization