

SAFETY DATA SHEETS

This SDS packet was issued with item:

071259787

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

071259779

Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name: 220-1000 InovaPrint wash



Revision date:

Version: /en

Print date: 20.04.2020

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

1.1 Product identifier

Commercial Product Name **220-1000 InovaPrint wash**

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

Relevant identified uses Auxiliary for dental technology

1.3 Details of the supplier of the safety data sheet

Company designation HPdent GmbH
Erwin-Dietrich-Straße 5
78244 Gottmadingen
Telephone: +49 7731 38 11 044
FAX: +49 7731 31 97 123
Email: info@hpdent.com

1.4 Emergency telephone number

Emergency telephone number +49 7731 38 11 044

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 Eye Irrit. 2 H319: Causes serious eye irritation.

2.2 Label elements

Hazard pictogram



GHS07

Signal word

Warning

Hazardous component(s) to be indicated on label

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether

H-statement(s)

H319: Causes serious eye irritation.

P-statement(s)

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.

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2.3 Other hazards

Hazard precautions

No data available

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

Ingredient	CAS No.	Classification (EC) 1272/2008	Concentration
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	CAS No.: 112-34-5 EC-No.: 203-961-6 Index-No.: 603-096-00-8	Eye Irrit. 2; H319	> 90.0 %

Chemical characterization

Mixtures

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

Take off immediately all contaminated clothing and wash it before reuse. Get medical advice/attention if you feel unwell.

If inhaled

Provide fresh air.

In case of skin contact

Rinse skin with water/shower.

In case of eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

If swallowed

IF SWALLOWED: Immediately call a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

Irritation to eyes, Respiratory complaints, Nausea, dizziness.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate medical attention

No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Dry extinguishing powder

Extinguishing media which must not be
used for safety reasons

Full water jet

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear personal protection equipment (refer to section 8). Remove all sources of ignition. Provide for sufficient ventilation, particularly in closed rooms. Avoid eye contact.
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6.2 Environmental precautions

Environmental precautions	Do not allow to enter into surface water or drains. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
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6.3 Methods and material for containment and cleaning up

Methods for cleaning up	Collect in closed and suitable containers for disposal.
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6.4 Reference to other sections

Reference to other sections	Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13
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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	Do not breathe vapour/aerosol. Avoid contact with eyes and skin.
Precautions	Wear protective gloves/protective clothing and eye/face protection.
Advice on protection against fire and explosion	Behälter nach Gebrauch sofort mit Deckel verschließen. Für gute Raumbelüftung sorgen.

7.2 Conditions for safe storage, including any incompatibilities

Storage space and container requirements	Keep only in the original container in a cool, well-ventilated place.
Recommended storage temperature	at room temperature

7.3 Specific end use(s)

Specific use(s)	No information available.
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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether

Germany

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Value / ppm	Value / mg/m3	Ceiling Limit Value	Remarks	Issuing date	Source
10	67	1,5(l)	European Union. *1) *2) Sum of steam and aerosols.	07/13	TRGS 900

*1): Senate Commission on the Testing of Health Hazardous Materials of the German Research Community.

*2): A risk of damage to the fruit need not be feared if the workplace limit value and the biological limit value (BGW) are observed.

Europe

Long-term exposure value/ mg/m3	Long-term exposure value/ ppm	Short-term exposure value / mg/m3	Short-term exposure value / ppm	Issuing date	Source
67,5	10	101,2	15	2006/15	DIRECTIVE 2009/161/EU

Denmark

Value / ppm	Value / mg/m3	Note	Source
10	68	E	Bekendtgørelse om ændring af bekendtgørelse om grænseværdier for ...

Norway

Value / ppm	Value / mg/m3	Source
10	68	Veiledning om administrative normer for forurensning i arbeidsatmosfæ...

Sweden

Long-term exposure value/ ppm	Long-term exposure value/ mg/m3	Short-term exposure value / ppm	Short-term exposure value / mg/m3	Issuing date	Source
10	68	15	101	2015	HYGIENISKA GRÄNSVÄRDEN OCH ÅTGÄRDER MOT LUFTFÖRORENINGAR 2011:18

Finland

Long-term exposure value/ ppm	Long-term exposure value/ mg/m3	Issuing date	Source
10	68	2007	HTTP-arvot 2012:5 HAITALISIKSI TUNNETUT PITOISUDET

Poland

Long-term exposure value/ mg/m3	Short-term exposure value / mg/m3	Source
67	100	ROZPORZADZENIE MINISTRA PRACY I POLITYKI SPOLECZNEJ1) z dnia 16 czerwca...

Austria

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Area of validity	Long-term exposure value/ ppm	Long-term exposure value/ mg/m3	Short-term exposure value / ppm	Short-term exposure value / mg/m3	Duration	Frequency per shift	Source
MAK	10	67,5	15	101,2	15 (Miw)	4x	Stoffliste (MAK-Werte und TRK-Werte 2012)

Switzerland							
Long-term exposure value/ ppm	Long-term exposure value/ mg/m3	Short-term exposure value / ppm	Short-term exposure value / mg/m3	Notations	Critical toxicity	Remarks	Source
10	67	15	101	SSC	blood liver kidney	*1) (see 1.9.2, 1.10.3)	SUVA Switzerland 2017

*1): Der Stoff kann gleichzeitig als Dampf und Aerosol vorliegen.

Spain					
Long-term exposure value/ ppm	Long-term exposure value/ mg/m3	Short-term exposure value / ppm	Short-term exposure value / mg/m3	Note	Source
10	67,5	15	101,2	VLI, r	Límites de exposición profesional para Agentes Químicos 2014

France							
Long-term exposure value/ ppm	Long-term exposure value/ mg/m3	Short-term exposure value / ppm	Short-term exposure value / mg/m3	TMP n°	FT n°	Issuing date	Source
10	67,5	15	101,2	84	254	2007	Valeurs limites d'exposition professionnelle aux agents chimiques en ...

Belgium				
Long-term exposure value/ ppm	Long-term exposure value/ mg/m3	Short-term exposure value / ppm	Short-term exposure value / mg/m3	Source
10	67,5	15	101,2	Liste de valeurs limites d'expositions professionnelle aux agents ...

Netherlands			
Long-term exposure value/ mg/ m3	Short-term exposure value / mg/ m3	Skin resorption / sensibilisation	Source
50	100	H	Lijst met wettelijke grenswaarden 2011

Great Britain				
Long-term exposure value/ ppm	Long-term exposure value/ mg/m3	Short-term exposure value / ppm	Short-term exposure value / mg/m3	Source

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10	67.5	15	101.2	EH40/2005 Workplace exposure limits (2011)
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Czech Republic

Long-term exposure value/ mg/m ³	Short-term exposure value / mg/m ³	Note	Source
70	100	I	NARÍZENÍ VLÁDY ze dne 12.prosince 2007 kterým se stanoví podmínky oc...

Ireland

Long-term exposure value/ ppm	Long-term exposure value/ mg/m ³	Short-term exposure value / ppm	Short-term exposure value / mg/m ³	Remarks	Source
10	67.5	15	101.2	IOELV	Code of Practice for the Safety Health and Welfare at Work (2011)

Estonia

Long-term exposure value/ mg/m ³	Long-term exposure value/ ppm	Source
67,5	10	Töökeskonna keemiliste ohutegurite piirnormid 11.10.2007 nr 223 (RT ...

Slovenia

Long-term exposure value/ mg/m ³	Long-term exposure value/ ppm	Ceiling Limit Value	Remarks	Source
67,5	10	1,5	EU	77

Luxembourg

Long-term exposure value/ mg/m ³	Long-term exposure value/ ppm	Short-term exposure value / mg/m ³	Short-term exposure value / ppm	Source
67,5	10	101,2	15	Règlement grand-ducal du 31 octobre 2008 modifiant le règlement grand...

Lithuania

Short-term exposure value / mg/m ³	Short-term exposure value / ppm	Long-term exposure value/ mg/m ³	Long-term exposure value/ ppm	Source
100	15	200	30	36

Bulgaria

Long-term exposure value/ mg/m ³	Long-term exposure value/ ppm	Short-term exposure value / mg/m ³	Short-term exposure value / ppm	Source
67,5	10	101,2	15	81

Latvia

Long-term exposure value/ mg/m ³	Long-term exposure value/ ppm	Short-term exposure value / mg/m ³	Short-term exposure value / ppm	Source
67,5	10	101,2	15	78

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Romania		
Long-term exposure value/ mg/m3	Short-term exposure value / mg/m3	Source
150	250	79

8.2 Exposure controls

Respiratory protection	No hazardous reaction when handled and stored according to provisions.
Hand protection	Wear suitable gloves.
Suitable material	NBR (Nitrile rubber)
Eye protection	Wear eye glasses with side protection according to EN 166.
Skin and body protection	Wear suitable working clothes.
General protective and hygiene measures	GHS09

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Colour	colourless
Odour	weak odour
Odour threshold	not determined
pH	not determined
Melting point [°C] / Freezing point [°C]	-67 °C
Initial boiling point [°C] and boiling range [°C]	224 - 234 °C
Flash point [°C]	109 °C (c.c.)
Evaporation rate [kg/(s*m²)]	not determined
Flammability (solid, gas)	Not applicable
Explosion limits [Vol-%]	
Lower limit	0,7 Vol.-%
Upper limit	5,3 Vol.-%
Vapour pressure [kPa]	<0,1 hPa bei 20 °C
Vapour density	not determined
Density [g/cm³]	0,95 g/cm³
Relative density	not determined
Water solubility [g/l]	955 g/l bei 20 °C

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Partition coefficient n-octanol /water
(log P O/W) 0,56 (25 °C) (exp.)(Lit.)

Autoignition temperature [°C] 225 °C - (DIN 51794)

Risk of explosion. Product is not explosive.

Oxidising properties No

SECTION 10: Stability and reactivity

10.1 Reactivity

Reactivity No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability

Chemical stability Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.4 Conditions to avoid

Conditions to avoid Heat

10.5 Incompatible materials

Materials to avoid Oxidizing agent
Aluminium

10.6 Hazardous decomposition products

Hazardous decomposition products Peroxide

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Oral toxicity [mg/kg] Based on available data, the classification criteria are not met.

Test species Rat

Exposure duration LD50

Dermal toxicity [mg/kg] Based on available data, the classification criteria are not met.

Test species Rabbit

Duration LD50

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

Irritant effect on eyes Irritant.

Irritant effect on the respiratory tract Based on available data, the classification criteria are not met.

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

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

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Mutagenicity	Based on available data, the classification criteria are not met.
Reproduction toxicity	Based on available data, the classification criteria are not met.
Caustic effect	Based on available data, the classification criteria are not met.
Dermal absorption data	Based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure) [mg/kg]	Based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure) [mg/kg]	Based on available data, the classification criteria are not met.
Aspiration hazard	
EU (g / l)	Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.2 Persistence and degradability

Biodegradability Biodegradable.

12.3 Bioaccumulative potential

Bioaccumulation No data available No data available

12.4 Mobility in soil

Distribution in the environment No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal considerations Dispose of waste according to applicable legislation.

Waste Code The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
14.1 UN-No	Not applicable	Not applicable	Not applicable
14.3 Transport hazard class(es)	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

Precautions No further relevant information available.

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

Transport in bulk according to Annex II Not applicable
of MARPOL and the IBC Code

SECTION 15: Regulatory information

15.2 Chemical safety assessment

Safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Abbreviations and acronyms H319: Verursacht schwere Augenreizung.

Relevant H-phrases H319: Causes serious eye irritation.

Wording of the hazard classes Eye Irrit.: Serious eye irritation

Die Angaben in diesem Sicherheitsdatenblatt beschreiben die Sicherheitsanforderungen unseres Produktes und stellen keine Zusicherung von Produkteigenschaften dar und begründen kein vertragliches Rechtsverhältnis.

Modifications of the previous version are denoted with an asterisk (*).