Material Safety Data Sheet
PROSEPT® Impression S

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

1.1 Product identifier
PROSEPT® Impression S

1.2 Relevant identified uses of the substance or mixture and uses advised against
PROSEPT® Impression S is a spray disinfectant for the quick disinfection of dental impressions and impression trays. Thanks to its broad effective spectrum and its short contact time, PROSEPT® Impression S offers high efficacy while maintaining dimensional stability of impressions. Since PROSEPT® Impression S does not contain any aldehydes, no discoloration or blood and protein fixation will occur on the treated material. PROSEPT® Impression S is suitable for alginate, polyether, polysulfide, A-silicone, and C-silicone, and pleasantly fragranced.

1.3 Details of the supplier of the safety data sheet

Manufacturer

Address:	Hygiene360 AG Büelstrasse 17 8330 Päffikon ZH Switzerland
Telephone:	Switzerland +41 (0)55 511 22 33
Fax:	Switzerland +41 (0)55 511 22 30
E-Mail:	info@hygiene360.com
Website:	www.hygiene360.com

EU only representative

Address:	Hygiene360 s.r.o. Vinohradská 2828/151 Žižkov 130 00 Praha 3 Czech Republic
E-Mail:	info@hygiene360.cz
Website:	www.hygiene360.cz

Downstream users / importer / distributor

Address:	Hygiene360 AG Büelstrasse 17 8330 Pfäffikon ZH Switzerland
Telephone:	+41 (0)55 511 22 33
Fax:	+41 (0)55 511 22 30
E-Mail:	info@hygiene360.com
Website:	www.hygiene360.com

1.3.1 Person responsible for preparing the MSDS
Ms Wong Lee Moi
Research & Development Manager
E-Mail: leemoi.wong@hygiene360.com

1.4 Emergency telephone numbers
Emergency information: +41 (0)44 512 49 89
Toxicological center*: +41 (0)44 251 51 51 (Switzerland)

* Please check the above numbers regularly as they might be subject to change.

2 Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008

Hazard classes and categories	Hazard statements:		Classification procedure
Flam. Liq. 3	H226	Flammable liquid and vapour.	On basis of test data.
Eye Dam. 1	H318	Causes serious eye damage.	Harmonised (legal) classification.
STOT SE 3	H336	May cause drowsiness or dizziness.	Harmonised (legal) classification.

2.2 Label elements

2.2.1 Labeling of the mixture according to Regulation (EC) No 1272/2008

Hazard pictograms:

GHS02

GHS07

GHS05

Signal word:
Danger

Hazard statements:

H226	Flammable liquid and vapour.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.

Hygiene360 AG · Büelstrasse 17 · 8330 Pfäffikon ZH · Switzerland
Tel. +41 (0)55 511 22 33 · Fax: +41 (0)55 511 22 30 · Email: info@hygiene360.com · www.hygiene360.com

WWW.HYGIENE360.COM

Precautionary statements:

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves and 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.
P501	Dispose of contents/container in accordance with relevant regulations.

Supplemental hazard information (EU):

–	No supplementary labelling requirements according to Regulation (EC) 1272/2008.

2.3 Other hazards

This mixture does not meet the PBT/vPvB criteria of REACH, annex XIII.

3 Composition / information on ingredients

3.1 Substances

This product is a mixture (see section 3.2).

3.2 Mixtures

3.2.1 Hazardous ingredients

Classification according to Regulation (EC) No 1272/2008

Name	CAS number	EINECS number	Index number	REACH number	Hazard categories	Hazard statements	Concentration
Ethanol	64-17-5	200-578-6	603-002-00-5	01-2119457610-43-0350	Flam. Liq. 2	H225	15 % - < 30 %
Propan-1-ol	71-23-8	200-746-9	603-003-00-0	01-2119486761-29-0000	Flam. Liq. 2, Eye Dam. 1, STOT SE 3	H225, H318, H336	15 % - < 30 %
Propan-2-ol	67-63-0	200-661-7	603-117-00-0	01-2119457558-25-0000	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3	H225, H319, H336	1 % - < 2.5 %

3.2.2 Additional information

For the full wording of the listed H- and P-phrases see section 16.

4 First aid measures

4.1 Description of first aid measures

Hygiene360 AG · Büelstrasse 17 · 8330 Pfäffikon ZH · Switzerland
Tel. +41 (0)55 511 22 33 · Fax: +41 (0)55 511 22 30 · Email: info@hygiene360.com · www.hygiene360.com

WWW.HYGIENE360.COM

4.1.1 General instructions
Ensure self-protection. Wear appropriate personal protective equipment. Immediately remove contaminated clothing. Bring any person out of the danger zone. In case of unconsciousness or danger of loss of consciousness immediately seek medical attention and administer first aid measures. First aid measures should be administered by a trained person. When seeking medical attention show this material safety data sheet.

4.1.2 After inhalation
Ensure self-protection against product vapors or aerosols. Move any person involved from exposure area to fresh air. Do not leave the person(s) alone. Seek medical attention if breathing becomes difficult or if cough or other symptoms develop. Loosen tight clothing such as a collar, tie, belt or waistband.

4.1.3 After skin contact
Immediately remove contaminated clothing . Wash skin with plenty of cold water. Do not use solvents. Seek medical attention if irritation or other symptoms develop. Wash clothing before reuse.

4.1.4 After eye contact
Immediately flush out eyes with plenty of running water, while separating eyelids with fingers, for at least 15 minutes or as long as irritation continues. Remove contact lenses, if present, after first 5 minutes, and then continue rinsing eyes. Do not allow victim to rub eyes or keep them closed. Always immediately seek medical attention and consult an ophtalmologist, even if there is no apparent damage.

4.1.5 After ingestion
Rinse mouth with water and make victim drink plenty of water. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward and give water again. Do not attempt to give anything to a semi-conscious or unconscious person. Immediately seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed
The following symptoms may occur: skin and eye redness, nausea, vomiting, abdominal pain, respiratory paralysis, dizziness, unconsciousness, impaired consciousness, central nervous system depression.

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

5 Firefighting measures

5.1 Extinguishing media

5.1.1 Suitable extinguisher
Water spray, carbon dioxide, alcohol-stable foam, solid extinguishing agents.

5.1.2 Unsuitable extinguisher for safety reasons
Water jet.

5.2 Special hazards arising from the substance or mixture
Burning material may release dense smoke containing irritating and/or toxic gases, vapours and/or fumes. Vapors may form explosive mixtures with air.

5.3 Advice for firefighters

5.3.1 Protective device for firefighting
Use suitable respiratory equipment.

Hygiene360 AG · Büelstrasse 17 · 8330 Pfäffikon ZH · Switzerland
Tel. +41 (0)55 511 22 33 · Fax: +41 (0)55 511 22 30 · Email: info@hygiene360.com · www.hygiene360.com

WWW.HYGIENE360.COM

5.3.2 Further indications
Do not inhale any explosion or fire fumes. Take appropriated fire-fight ing measures regarding the whole fire. Any fire substance and contaminated fire-fight ing water have to be disposed according to instructions of the local authority.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Wear suitable protective equipment. Ensure adequate ventilation. Eliminate all sources of ignition. Do not open the primary container unless authorised to do so. Restrict access to area until completion of cleanup.

6.2 Environmental precautions
Contain spill with absorbent material, such as sand, vermiculite or universal binding material.

6.3 Methods and material for containment and cleaning up
Stop leak if safe to do so. Small spills: Absorb with an inert material and place in an appropriatly labeled waste disposal container. Large spills: Collect for later disposal according to local, provincial, state or federal regulations. For disposal considerations please see section 13. Use cold water rinse for final clean-up.

6.4 Reference to other sections
For instructions for safe handling, disposal, and personal protection equipment see sections 07, 08, and 13.

7 Handling and storage

7.1 Precautions for safe handling
Read product instructions before use. Wear suitable protective equipment (please see section 08). Open container carefully. Avoid breathing fumes / aerosols. Avoid contact with eyes and mucous membranes. Do not mix with other products. Retain all warning and identity labels. Any non-intended or non-authorised use of this product may result in personal injury or damage to equipment.

7.1.1 Instructions for protection against fire and explosion
Keep away from sources of ignition. No smoking. Keep away from heat. While working with the product volatile and flammable components may be liberated. Vapours may form an explosive mixture with air.

7.1.2 Advice on general occupational hygiene
Do not eat, drink, or smoke while working. Before breaks and after work wash hands thoroughly. Use cream to care for your skin. Handle the product in accordance with good industrial hygiene and safety practices.

7.2 Conditions for safe storage, including any incompatibilities

7.2.1 Requirements for storage room and containers
Keep out of reach of children and persons unfamiliar with proper product use. Keep in the original container only. Do not use empty container with any other product or for any other purpose. Full pallets must not be stacked. Ensure dense floor covering which is resistant against acids, bases and solvents. Use ground tub without waste-draining.

7.2.2 Further information about storage conditions
Keep container tightly closed. Store at room temperature. Keep from freezing and temperatures greater than 30°C. Store in a dry and well-ventilated place. Do not store for prolonged periods in direct sunlight. The user has sole responsibility for acquaintance and compliance with the regulations.

Hygiene360 AG · Büelstrasse 17 · 8330 Pfäffikon ZH · Switzerland
Tel. +41 (0)55 511 22 33 · Fax: +41 (0)55 511 22 30 · Email: info@hygiene360.com · www.hygiene360.com

7.2.3 Stocking with different products
Store separately from beverages, food and feed. Store separately from strong acids, bases and oxidation agents.

7.3 Specific end use(s)
See section 01 or technical data sheet.

8 Exposure controls / personal protection

8.1 Control parameters

8.1.1 Components with occupational exposure limit values

Substance	CAS number	Long term limit values (mg/m3)	Short term limit values (mg/m3)
Ethanol	64-17-5	960 (MAK CH; SUVA 2015).	1920 (4x15 min.; STEL CH; SUVA 2015).
Propan-1-ol	71-23-8	500 (MAK CH; SUVA 2015).	No short-term exposure limit (CH; SUVA 2015).
Propan-2-ol	67-63-0	500 (MAK CH; SUVA 2015).	1000 (4x15 min.; STEL CH; SUVA 2015).

8.1.2 Components with biological limit values

Substance	CAS number	Limit values (mg/m3)
Ethanol	64-17-5	No biological limit values.
Propan-1-ol	71-23-8	No biological limit values.
Propan-2-ol	67-63-0	No biological limit values.

8.2 Exposure controls

8.2.1 Appropriate engineering controls
See section 07. No additional measures necessary.

Hygiene360 AG · Büelstrasse 17 · 8330 Pfäffikon ZH · Switzerland
Tel. +41 (0)55 511 22 33 · Fax: +41 (0)55 511 22 30 · Email: info@hygiene360.com · www.hygiene360.com

WWW.HYGIENE360.COM

8.2.2 Personal protective equipment

Eye / face protection:

Wear protective glasses during use.

Skin protection:

Hand protection

Short-term contact: Gloves with Protection Index of at least Class 2 (Norm EN 374, permeation time > 30 min) for substances of Class A. Long-term contact: Gloves with Protection Index of at least Class 6 (Norm EN 374, permeation time > 480 min) for substances of Class A. (Class A: primary alcohols).

Other

Not required during normal use.

Respiratory protection:

Avoid aerosol formation. Use respiratory protection if aerosol is formed.

General protection measures:

Avoid contact with eyes and skin.

8.2.3 Environmental exposure controls

Observe the usual precautions for handling chemicals.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

9.1.1 General information

Colour:	Colourless
Physical state:	Clear, non-viscous liquid
Scent:	Of alcohol, lemon

Hygiene360 AG · Büelstrasse 17 · 8330 Pfäffikon ZH · Switzerland
Tel. +41 (0)55 511 22 33 · Fax: +41 (0)55 511 22 30 · Email: info@hygiene360.com · www.hygiene360.com

WWW.HYGIENE360.COM

9.1.2 Important health, safety and environmental information

pH-value:	Neutral
pH-value in aqueous solution:	Not applicable (ready-to-use solution)
Melting point (°C):	No data available.
Boiling point (°C):	No data available.
Flash point (°C):	26
Flammability:	The product is flammable.
Explosive properties:	Vapours may form an explosive mixture with air.
Lower explosion limit (%):	Not applicable.
Upper explosion value (%):	Not applicable.
Oxidizing properties:	The product has no oxidizing properties
Vapor pressure (kPa):	No data available.
Relative density (g/cm3):	0.92
Solubility / Miscibility:	Fully miscible with water
Partition coefficient n-octanol/water (log Pow):	Not applicable.
Viscosity (mPas):	No data available.
Vapor density in relation to water:	No data available.
Evaporation rate:	No data available.
Auto-ignition temperature (°C):	This product does not possess autoignition properties.
Decomposition temperature (°C):	Not applicable.

9.2 Other information

Conductivity (mS/cm):	No data available.

The temperature and/or pressure sensitive values are normalized to 20 °C and 1013 hPa.

10 Stability and reactivity

10.1 Reactivity
The mixture is not reactive.

10.2 Chemical stability
Stable at normal temperatures and pressure at least up to the expiry date printed on the container. Contact with open flame may cause ignition.

10.3 Possibility of hazardous reactions
No hazardous reactions such as polymerization are expected.

Hygiene360 AG · Büelstrasse 17 · 8330 Pfäffikon ZH · Switzerland
Tel. +41 (0)55 511 22 33 · Fax: +41 (0)55 511 22 30 · Email: info@hygiene360.com · www.hygiene360.com

WWW.HYGIENE360.COM

10.4 Conditions to avoid
Avoid heat, flames, sparks and other sources of ignition. Containers may rupture or explode if exposed to intense heat. Avoid conditions beyond those mentioned in section 07.

10.5 Incompatible materials
Avoid contact with materials sensitive to alcohols.

10.6 Hazardous decomposition products
No dangerous decomposition products occur under normal storage and use.

11 Toxicological information

11.1 Information on toxicological effects

11.1.1 Acute oral toxicity
LD50 (rat) > 5000 mg/kg

11.1.2 Acute dermal toxicity
No data available.

11.1.3 Acute inhalative toxicity
No data available.

11.1.4 Skin / mucosa irritation and corrosivity
No irritation is expected. Repeated exposure may cause skin dryness or cracking.

11.1.5 Eye irritation and corrosivity
Risk of serious damage to eyes.

11.1.6 Sensitization
No sensitization is expected.

11.1.7 STOT-single exposure, STOT-repeated exposure, Aspiration Hazard
This product exhibits no known chronic toxicity.

11.1.9 CMR-Effects (carcinogenicity, mutagenicity and reproductive toxicity)
This product contains no ingredients with known carcinogenicity, mutagenicity or reproductive toxicity effects.

11.1.10 Additional advice on toxicology
The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within Regulation (EC) No. 1272/2008 (CLP). There are no data from toxicological tests regarding the entire product. The values for acute toxicity, irritation and sensitization on skin and mucosa and for the mutagenic potential of the product were estimated based on available data on product ingredients. There is a lack of relevant data for some ingredients. According to the experience of the manufacturer, no dangers other than the ones declared on the label are to be expected.

Hygiene360 AG · Büelstrasse 17 · 8330 Pfäffikon ZH · Switzerland
Tel. +41 (0)55 511 22 33 · Fax: +41 (0)55 511 22 30 · Email: info@hygiene360.com · www.hygiene360.com

WWW.HYGIENE360.COM

12 Ecological information

12.1 Toxicity

The release of amounts present in our packaging is not expected to have any ecotoxic effects. The release of several packages of this product can have temporary and localized toxic effects on aquatic and terrestrial organisms. This product is not expected to negatively affect the function of sewage treatment plants. There is no data available from ecotoxicological tests regarding the entire product. The ecotoxicological risk has been estimated based on available data on product ingredients and concentrations, where available.

12.2 Persistence and degradability

The product ingredients possess good biodegradation properties. The surfactants included in the product comply with the requirements for the biological decomposition of Regulation (EC) No. 648/2004 on detergents. Based on available data, the biodegradability in sewage treatment plants can be categorized as high.

Biodegradation of relevant substances in the mixture

Substance	CAS number	Biodegradation
Ethanol	64-17-5	94% (Method OECD 301 E).
Propan-1-ol	71-23-8	75% (20 d, readily biodegradable).
Propan-2-ol	67-63-0	95% (21 d, readily biodegradable).

12.3 Bioaccumulative potential

Based on available data, no product ingredient is expected to exhibit bioaccumulative potential.

12.4 Mobility in soil

The product is not expected to be mobile over long distances because all product ingredients possess good biodegradability. Surface tension and absorption / desorption kinetics are not relevant to the product.

12.5 Results of PBT and vPvB assessment

This product does not contain a PBT-/vPvB-substance according to REACH, Annex XIII.

12.6 Other adverse effects

The product contains no ingredients with ozone depletion potential or global warming potential. The product contains no heavy metals or their compounds as defined in 2006/11/EG. The product contains no absorbable organic halogens (AOX). The product contains volatile organic compounds (VOC).

13 Disposal considerations

13.1 Waste treatment methods

13.1.1 Disposal of product

Dispose of according to national and regional provisions. Waste code EWC Nr: 070699 (Group: waste material of MFSU from fats, lubricants, soaps, detergents, disinfectants and personal protection products). Small amounts of the product (up to about 500 ml per day) can be disposed of via the sewage system after dilution 1:5 with tap water.

Hygiene360 AG · Büelstrasse 17 · 8330 Pfäffikon ZH · Switzerland
Tel. +41 (0)55 511 22 33 · Fax: +41 (0)55 511 22 30 · Email: info@hygiene360.com · www.hygiene360.com

WWW.HYGIENE360.COM

Material Safety Data Sheet
PROSEPT® Impression S

13.1.2 **Disposal of contaminated packaging**
Empty packaging can be treated like household waste or recycled after cleaning with water. Handle the packaging containing the product in the same way as the product itself. Where available, references to local regulations regarding disposal are given in section 15 of the MSDS. The user has sole responsibility for acquaintance and compliance with the applicable regulations.

14 Transport information

14.1 **UN number**
1987

14.2 **UN proper shipping name**

14.2.1 **ADR/RID/SDR**
ALCOHOLS, N.O.S. (Ethanol, 1-Propanol)

14.2.2 **IMDG Code / ICAO-TI / IATA-DGR**
ALCOHOLS, N.O.S. (Ethanol, 1-Propanol)

14.3 **Transport hazard class(es)**
3 (Flammable liquids)

14.4 **Packing group**
III (Substances presenting low danger)

14.4.1 **Hazard Label**
3

14.4.2 **LQ**
5 l

14.5 **Environmental hazards**
ADR/RID / IMDG-Code / ICAO-TI / IATA -DGR: No
Marine pollutant: No

14.6 **Special precautions for user**
See sections 06 to 08.

14.7 **Transport in bulk according to Annex II of MARPOL and the IBC Code**
This product is not delivered in bulk according to Annex II of MARPOL73/78 and the IBC Code.

15 Regulatory information

15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**
The product has been classified and marked in accordance with Regulation (EC) No.1272/2008 (CLP). The product complies with requirements of Regulation (EC) No. 1907/2006 (REACH), Regulation (EC) No. 648/2004 (Detergents Regulation), Regulation (EU) No. 528/2012 (Biocides Regulation), and Directive 93/42/EC (Medical Devices Directive) if applicable.

Hygiene360 AG · Büelstrasse 17 · 8330 Pfäffikon ZH · Switzerland
Tel. +41 (0)55 511 22 33 · Fax: +41 (0)55 511 22 30 · Email: info@hygiene360.com · www.hygiene360.com

15.1.1 National regulations

For further information, please refer to local law.

15.2 Chemical safety assessment

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

Hygiene360 AG · Büelstrasse 17 · 8330 Pfäffikon ZH · Switzerland
Tel. +41 (0)55 511 22 33 · Fax: +41 (0)55 511 22 30 · Email: info@hygiene360.com · www.hygiene360.com

Material Safety Data Sheet
PROSEPT® Impression S

16 Other information

List of relevant H- and P-phrases, hazard statements, safety phrases and/or precautionary statements

H225	Highly flammable liquid and vapour.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Training advice
Thoroughly read this material safety data sheet before using this product. For detailed information refer to the technical data sheet. This product must only be used by a trained person.

Sources of key data
The material safety data sheets from suppliers of ingredients, scientific literature, as well as the current regulations were used as a basis for the preparation of this material safety data sheet.

Indication of change	Reason for revision
1.3.1 Person responsible for preparing the MSDS	Change in company contact information
1.4 Emergency telephone numbers	Change in emergency contact information.
2.2.1 Labelling according to Directive 1999/45/EC	Adaptation.
13.1.1 Disposal of product	Adaptation.
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	Adaptation to change in regulations.
16 Other information	Adaptation to change in regulations.

Abbreviations and acronyms
Abbreviations and acronyms used in this document can be looked up on www.wikipedia.org.

Further information
The information in this material safety data sheet is based on the present state of the Manufacturer's knowledge and experience. This information is given for safety reasons only. It is given in good faith and shall not constitute a guarantee for any specific product properties. The information does not imply a legally valid contractual relationship. Users should make their own investigations to determine how suitable the information provided in this material safety data sheet is for their own purposes. It is the responsibility of the user to comply with all applicable laws and regulations. Any use of the product which does not conform to this material safety data sheet or which involves using the product in combination with any other products or processes is the responsibility of the user. The data in sections 04 to 08 and 10 to 12 refer in part to the release of large quantities and not to the proper product application or use. The information in this material safety data sheet should be provided to all those who will use, handle, store, transport or otherwise be exposed to this product. No responsibility is taken as to the accuracy or the completeness of the provided information in all cases.

Hygiene360 AG · Büelstrasse 17 · 8330 Pfäffikon ZH · Switzerland
Tel. +41 (0)55 511 22 33 · Fax: +41 (0)55 511 22 30 · Email: info@hygiene360.com · www.hygiene360.com