

SAFETY DATA SHEET (EC 1907/2006)**Dentsply Prosthetics Etchant Gel**

Version: **4.2 / GB**
Revision date: **21.11.2017**
Issue date: **17.03.2003**
replaces version: **4.1**
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Material no.
Specification **143836**
VA-Nr **01906947**

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

Trade name Dentsply Prosthetics Etchant Gel
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.

1.3. Details of the supplier of the safety data sheet

Company DeguDent GmbH
Postfach 1364
D-63403 Hanau
Telephone +49 (0)6181/59-5576
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.)

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

Acute toxicity (inhalation)	Category 2	H330
Acute toxicity (dermal)	Category 1	H310
Acute toxicity (oral)	Category 2	H300
Skin corrosion/irritation	Category 1A	H314
Corrosive to metals	Category 1	H290

2.2. Label elements**Labelling as per (EU) 1272/2008**

Hazard pictograms



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Signal word Danger

Hazard statement H330 - Fatal if inhaled.
H310 - Fatal in contact with skin.
H300 - Fatal if swallowed.
H314 - Causes severe skin burns and eye damage.
H290 - May be corrosive to metals.

Precautionary statement: Prevention P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection.

Precautionary statement: Reaction P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302 + P352 - IF ON SKIN: Wash with plenty of water/ soap.
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P309 + P310 - IF exposed or if you feel unwell: Immediately call a POISON CENTER or doctor/physician.

2.3. Other hazards

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

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

• hydrofluoric acid ... %		<= 9%	
CAS-No.	7664-39-3	EC-No.	231-634-8
Acute toxicity (inhalation)		Category 2	H330
Acute toxicity (dermal)		Category 1	H310
Acute toxicity (oral)		Category 2	H300
Skin corrosion/irritation		Category 1A	H314

Texts of H phrases, see in Chapter 16

SECTION 4: First aid measures

4.1. Description of first aid measures

In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Observe self-protection

Move out of dangerous area.

Remove contaminated or saturated clothing immediately and dispose of safely.

Inhalation

If aerosol or mists are formed:

Call a physician immediately.

If necessary inhaling dexamethasone spray (Auxiloson, Pulmicort).

Move victims into fresh air.

Do not leave victims unattended.

Keep patient warm and at rest.

Place person on side in stable position if unconscious.

Skin contact

Wash off immediately with plenty of water for at least 15 minutes.

First treatment with calcium gluconate paste.

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Obtain medical attention.

Eye contact

With eye held open, thoroughly rinse immediately with plenty of water for at least 10 minutes.

See an eye specialist immediately.

Ingestion

Do NOT induce vomiting.

Only when patient fully conscious:

Have the mouth rinsed with water.

Dissolve effervescent calcium tablet, if available, in water and have patient swallow it in sips (insoluble calcium fluoride forms in the gastrointestinal tract).

Inform emergency physician immediately.

If possible drink milk afterwards.

Do not leave victims unattended.

Keep warm and in a quiet place.

Place person on side in stable position if unconscious.

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

Symptoms

corrosive effects

irritant effects

Bloody vomiting

Irregular cardiac activity

Circulatory collapse

Spasm

Danger! Possible loss of eyesight!

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

Treatment of symptoms, Monitoring of electrolyte metabolism

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: foam
water spray
CO2
dry powder

5.2. Special hazards arising from the substance or mixture

In case of fire cool endangered containers with water.

5.3. Advice for firefighters

Fire residues should be disposed of in accordance with the regulations. Contaminated fire-extinguishing water must be disposed of in accordance with the regulations issued by the appropriate local authorities.

In case of fire: wear a self contained respiratory apparatus

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

Leave room immediately.

Alert all persons!

6.2. Environmental precautions

Do not allow entrance in sewage water, soil stretches of water, groundwater, drainage systems., Should not be released into the environment.

6.3. Methods and material for containment and cleaning up

with sodium carbonate Neutralize.

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Fill into marked, sealable containers.

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To be disposed of in compliance with existing regulations.
 Assure sufficient ventilation.

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**

Open the containers with caution.
 Always close container tightly after removal of product. Ensure suitable suction/aeration at the work place and with operational machinery.

7.2. Conditions for safe storage, including any incompatibilities**Storage**

Comply with storage regulations and regulations prohibiting storage of hazardous substances in non-stationary containers in the same room (TRGS 510).
 Keep containers tightly closed in a dry, cool and well-ventilated place.

German storage class

6.1B - Non combustible substances, toxic

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**

• hydrofluoric acid ... %			
CAS-No.	7664-39-3	EC-No.	231-634-8
Control parameters	3 ppm 2.5 mg/m ³		Short Term Exposure Limit (STEL):(EH40 WEL)
Control parameters	1.8 ppm 1.5 mg/m ³		Time Weighted Average (TWA):(EH40 WEL)
Control parameters	3 ppm 2.5 mg/m ³ Indicative		Short Term Exposure Limit (STEL):(EU ELV)
Control parameters	1.8 ppm 1.5 mg/m ³ Indicative		Time Weighted Average (TWA):(EU ELV)

8.2. Exposure controls**Engineering measures**

Provide for suitable mopping up / ventilation at the workplace, the working machines. As far as possible fill and handle the product only in closed systems., Priority should be given to closed-system units., If necessary: Local ventilation.

Personal protective equipment**Respiratory protection**

In case of dusts/vapours/aerosols being formed or if the limit values like TLV are exceeded:, use respiratory equipment with suitable filter (filter type ABEK) or wear a self contained respiratory apparatus

Hand protection

Selection of protective gloves to meet the requirements of specific workplaces., Suitability for specific workplaces should be clarified with protective glove manufacturers., Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Preventive skin protection, Use barrier cream regularly.

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**Eye/face protection**

goggles

Hygiene measures

Avoid contact with skin and eyes., Do not inhale vapours / aerosols., Remove immediately all contaminated clothing., Do not eat, drink, smoke, or sniff while at work. Wash your hands and/or face before breaks and before termination of work.

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

Appearance

Form	gel
Colour	greenish
Odour	characteristic

Odour threshold: no data available

pH ca. 2.8
Melting point/range not applicable

Boiling point/range ca. 110 °C

Flash point no data available

Evaporation rate no data available

Flammability (solid, gas) no data available

Lower explosion limit no data available

Upper explosion limit no data available

Vapour pressure no data available

Density ca. 1.1 g/cm³ (25 °C)

Water solubility water-soluble components

Partition coefficient: n-octanol/water no data available

Autoinflammability Not capable of spontaneous combustion or heating.

Thermal decomposition no data available

Viscosity, dynamic no data available

Explosiveness not explosive

Oxidizing properties no data available

9.2. Other information

Metal corrosion May be corrosive to metals.

Other information No further physicochemical data were determined.

SECTION 10: Stability and reactivity

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10.1. Reactivity

Under normal conditions: stable.

10.2. Chemical stability

The product is chemically stable.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Reacts with metals to form highly inflammable hydrogen gas., Strong to explosive reactions result from contact with lyes or alkalis, especially at high concentrations.

10.4. Conditions to avoid

Heat., humidity.

10.5. Incompatible materials

Metals, Alkali metals, alkalines, Fluor, glass, organic materials, Nitric acid

10.6. Hazardous decomposition products

no data available

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	Rabbit Corrosive
Eye irritation	Rabbit corrosive
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
Further information	Very toxic by inhalation, in contact with skin and if swallowed., Causes severe burns.

SECTION 12: Ecological information

12.1. Toxicity

No ecotoxicological data is available for this product.

12.2. Persistence and degradability

Biodegradability no data available

12.3. Bioaccumulative potential

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Bioaccumulation no data available

12.4. Mobility in soil

Mobility No data 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 Do not allow entrance in sewage water, soil stretches of water, groundwater, drainage systems.

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**Transport on land (ADR/RID/GGVSEB)**

14.1. UN number: UN 1790
14.2. UN proper shipping name: HYDROFLUORIC ACID
14.3. Transport hazard class(es): 8 (6.1)
14.4. Packing group: II
14.5. Environmental hazards: --
14.6. Special precautions for user: Yes
ADR: Tunnel Restriction Code: (E)
In a place as cool as possible. Protect from heat, Keep separate from foodstuffs, luxury foods, feedstuffs

Inland waterway transport (ADN/GGVSEB (Germany))

14.1. UN number: UN 1790
14.2. UN proper shipping name: HYDROFLUORIC ACID
14.3. Transport hazard class(es): 8 (6.1)
14.4. Packing group: II
14.5. Environmental hazards: --
14.6. Special precautions for user: Yes
In a place as cool as possible. Protect from heat, Keep separate from foodstuffs, luxury foods, feedstuffs

Air transport ICAO-TI/IATA-DGR

14.1. UN number: UN 1790
14.2. UN proper shipping name: Hydrofluoric acid
14.3. Transport hazard class(es): 8 (6.1)
14.4. Packing group: II
14.5. Environmental hazards: --
14.6. Special precautions for user: Yes

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IATA-C: FOR USA ONLY: When shipping in, by or via USA note of the Reportable Quantity-Regulation!

IATA-P: FOR USA ONLY: When shipping in, by or via USA note of the Reportable Quantity-Regulation!

In a place as cool as possible. Protect from heat, Keep separate from foodstuffs, luxury foods, feedstuffs

Sea transport IMDG-Code/GGVSee (Germany)

- | | |
|-------------------------------------|-------------------|
| 14.1. UN number: | UN 1790 |
| 14.2. UN proper shipping name: | HYDROFLUORIC ACID |
| 14.3. Transport hazard class(es): | 8 (6.1) |
| 14.4. Packing group: | II |
| 14.5. Environmental hazards: | -- |
| 14.6. Special precautions for user: | Yes |
| EmS: | F-A,S-B |

Clear of living quarters., FOR USA ONLY: When shipping in, by or via USA note of the Reportable Quantity-Regulation!

In a place as cool as possible. Protect from heat, Keep separate from foodstuffs, luxury foods, feedstuffs

- 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:
for transportapproval see regulatory information

SECTION 15: Regulatory information

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

National legislation

employment restriction Note employment restrictions for pregnant and lactating women., Note employment restrictions for minors.

15.2. Chemical safety assessment

Chemical safety assessment No Chemical Safety Report as per Articles 2(8), 2(9) or 14 of the REACH Regulation is required for this product.

SECTION 16: Other information

Relevant H phrases from chapter 3

H300	: Fatal if swallowed.
H310	: Fatal in contact with skin.
H314	: Causes severe skin burns and eye damage.
H330	: Fatal if inhaled.

Further information

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

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

Legend

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by

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	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
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

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

Trade name	Dentsply Prosthetics Etchant Gel / Neutralizer
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)6181/59-5576
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]**

Eye irritation	Category 2	H319
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2.2. Label elements**Labelling as per (EU) 1272/2008**

Hazard pictograms



Signal word	Warning
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Hazard statement	H319 - Causes serious eye irritation.
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Precautionary statement	P264 - Wash hands thoroughly with soap and water after handling. P280 - Wear protective gloves/ 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

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

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

• Sodium carbonate		60% - 95%	
CAS-No.	497-19-8	EC-No.	207-838-8
Eye irritation		Category 2	H319

Texts of H phrases, see in Chapter 16

SECTION 4: First aid measures

4.1. Description of first aid measures

Take off all contaminated clothing immediately.

Skin contact

Wash off immediately with plenty of water.

Eye contact

Rinse thoroughly immediately with plenty of water for at least 5 minutes keeping eyelid open. Immediate further treatment in ophthalmic hospital/ ophthalmologist.

Ingestion

Have patient drink plenty of water in small sips.
Do NOT induce vomiting.
Call a physician immediately.

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

Symptoms

None known

Hazards

None known

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

None known

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: All extinguishing substances suitable.

5.2. Special hazards arising from the substance or mixture

None known.

5.3. Advice for firefighters

Extinction measures are to be adjusted to the specific location.
The product itself does not burn.
In the event of fire, wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment.

6.2. Environmental precautions

Do not allow entrance in stretches of water, drainage systems.

6.3. Methods and material for containment and cleaning up

Absorb mechanically avoiding production of dust. Collect in suitable containers.
Dispose of absorbed material in accordance with the regulations.

6.4. Reference to other sections

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Wear personal protective equipment; see section 8.
Disposal considerations; see section 13.

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

Avoid formation of dust. Local ventilation if necessary.

7.2. Conditions for safe storage, including any incompatibilities**Storage**

Keep tightly sealed in original packing.

German storage class

13 - Non Combustible Solids

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****8.2. Exposure controls****Personal protective equipment****Respiratory protection**

Do not breathe dust.

Hand protection

Wear protective gloves made of the following materials: rubber., Suitability for specific workplaces should be clarified with protective glove manufacturers.

Eye/face protection

Safety glasses with side-shields

Skin and body protection

Protective suit

Hygiene measures

Do not eat, drink, smoke, or sniff while at work. Wash your hands and/or face before breaks and before termination of work., Cleanse and apply cream to skin after work.

Protective measures

Handle in accordance with good industrial hygiene and safety practice.

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

Form	solid
Colour	white
Odour	odourless

Odour threshold: not applicable

pH 11 - 12 (50 g_l)
Melting point/range > 800 °C

Boiling point/range no data available

Flash point no data available

Evaporation rate no data available

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Flammability (solid, gas)	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	not applicable
Density	ca. 2.5 g/cm ³
Water solubility	no data available
Partition coefficient: n-octanol/water	no data available
Autoinflammability	Not capable of spontaneous combustion or heating.
Thermal decomposition	no data available
Viscosity, dynamic	no data available
Explosiveness	not explosive
Oxidizing properties	no data available

9.2. Other information

Bulk density	ca. 1100 kg/m ³
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 hazardous reactions are known if properly handled and stored.

10.4. Conditions to avoid

No limitations

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

no data available

SECTION 11: Toxicological information**11.1. Information on toxicological effects***Animal experiment studies focusing on this formulation are not available.*

Acute oral toxicity no data available

Acute inhalation toxicity no data available

Acute dermal toxicity no data available

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Skin irritation	Frequent and continual skin contact can cause skin reaction (skin irritation).
Eye irritation	no data available
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

SECTION 12: Ecological information**12.1. Toxicity**

Ecotoxicological tests with this preparation are not available.

12.2. Persistence and degradability

Biodegradability no data available

12.3. Bioaccumulative potential

Bioaccumulation no data available

12.4. Mobility in soil

Mobility No data 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.

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- 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 Regulation is required for this product.

SECTION 16: Other information**Relevant H phrases from chapter 3**

H319 : Causes serious eye irritation.

Further information

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

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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

SAFETY DATA SHEET (EC 1907/2006)**Dentsply Prosthetics Etchant Gel / Neutralizer**

Version:	1.7 / GB	Material no.	
Revision date:	21.11.2017	Specification	143838
Issue date:	10.03.2003	VA-Nr	01906947
replaces version:	1.6		
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GGVSee	German ordinance for sea transportation of dangerous goods
GLP	Good Laboratory Practice
GMO	Genetic Modified Organism
IATA	International Air Transport Association
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