

Page 1/9

Safety Data Sheet acc. to OSHA HCS

Printing date 09/24/2021

Reviewed on 09/24/2021

onlineordersupport@ultradent.com Information department: Customer Service Emergency telephone number: CHEMTREC (NORTH AMERICA) :(800) 424-9300 (INTERNATIONAL) : +(703) 527-3887 Hazard(s) identification Classification of the substance or mixture			
Trade name: Permaflo TM DC Base Article number: SDS 45-001.10, 63594, 63544, 63592, 63593 Application of the substance / the mixture Professional Dental Restorative Material Details of the supplier of the safety data sheet Manufacturer/Supplie: Ultradent Drive (10200 S) South Jordan, UT 84095-3942 USA onlineordersupport@ultradent.com Information department: Customer Service Emergency telephone number: CHEMTREC (NORTH AMERICA) :(800) 424-9300 (INTERNATIONAL) : +(703) 527-3887 Hazard(s) identification Classification of the substance or mixture $$ $$ GHS08 Health hazard Care: 2 H351 Suspected of causing cancer. Route of exposure: Inhalation. $$ $$ GHS08 Health hazard Care: 3 H351 Suspected of causing cancer. Route of exposure: Inhalation. $$ Mater Tox: 4 H332 Harmful if inhaled. Skin Sens: 1 11317 May cause an allergic skin reaction. Label elements Yoid GHS18 blee elements Yoid GHS18 blee elements Sinacad pictogrums GHS105. GHS08	Identific	ation and the second	
Article number: SDS 45-001.10, 63594, 63594, 63592, 63593 Application of the substance / the mixture Professional Dental Restorative Material Details of the supplier of the safety data sheet Manufacturer/Supplier: Ultradent Products Inc. S05 W. Ultradent Drive (10200 S) South Jordan, UT 84095-3942 USA onlineordersupport@ultradent.com Information department: Customer Service Emergency telephone number: CHEMTREC (NORTH AMERICA) : (800) 424-9300 (INTERNATIONAL) : +(703) 527-3887 Hazard(s) identification Classification of the substance or mixture	Product id	entifier	
Application of the substance / the mixture Professional Dental Restorative Material Details of the supplier of the safety data sheet Manufacturer/Supplier: Ultradent Products Inc. 305 W. Ultradent Drive (10200 S) South Jordan, UT 84095-3942 USA onlineordersupport@ultradent.com Information department: Customer Service Emergency telephone number: CHEMTREC (NORTH AMERICA) : (800) 424-9300 (INTERNATIONAL) : +(703) 527-3887 Hazard(s) identification Classification of the substance or mixture Image: Construct on the substance or mixture Image: Construct on the substance or mixture Image: Construct on the substance or mixture Image: Constrest of causing cancer. Route of exposure:	Trade nam	e: <u>Permaflo™ DC Base</u>	
Manufacturer/Supplier: Ultradent Products Inc. 505 W. Ultradent Drive (10200 S) South Jordan, UT 84095-3942 USA onlineordersupport@ultradent.com Information department: Customer Service Emergency telephone number: CHEMTREC (NORTH AMERICA) (800) 424-9300 (INTERNATIONAL) : +(703) 527-3887 Hazard(s) identification Classification of the substance or mixture			
Information department: Customer Service Emergency telephone number: CHEMTREC (NORTH AMERICA) : (800) 424-9300 (INTERNATIONAL) : + (703) 527-3887 Hazard(s) identification Classification of the substance or mixture	Manufactu Ultradent I 505 W. Ult South Jord USA	arer/Supplier: Products Inc. radent Drive (10200 S) an, UT 84095-3942	
Emergency telephone number: CHEMTREC (NORTH AMERICA) : (800) 424-9300 (INTERNATIONAL) : +(703) 527-3887 Hazard(s) identification Classification of the substance or mixture Image: Comparison of the substance of causing cancer. Route of exposure: Inhalation. Label elements Halth Hazard-determining components of labeling: Triethylene Glycol Dimethacrylate Benzoyl Peroxide Hazard statements Hamming II inhaled. May cause an allergic skin reaction. Suspected of causing cancer. Route of exposure: Inhalation. Precurioury statements <td></td> <td></td> <td></td>			
Classification of the substance or mixture GHS08 Health hazard Carc. 2 H351 Suspected of causing cancer. Route of exposure: Inhalation.	Emergency	y telephone number: CC (NORTH AMERICA) :(800) 424-9300	
Classification of the substance or mixture GHS08 Health hazard Carc. 2 H351 Suspected of causing cancer. Route of exposure: Inhalation.	Hanaudi) identification	
GHS08 Health hazard Carc. 2 H351 Suspected of causing cancer. Route of exposure: Inhalation. Image: Carc. 2 H351 Suspected of causing cancer. Route of exposure: Inhalation. Image: Carc. 2 H351 Suspected of causing cancer. Route of exposure: Inhalation. Image: Carc. 2 H351 Suspected of causing cancer. Route of exposure: Inhalation. Image: Carc. 4 H332 Harmful if inhaled. Skin Sens. 1 H317 May cause an allergic skin reaction. Label elements Void Hazard pictograms GHS07, GHS08 Signal word Warning Health Hazard-determining components of labeling: Triethylene Glycol Dimethacrylate Benzoyl Peroxide Hazard statements Harmful if inhaled. May cause an allergic skin reaction. Suspected of causing cancer. Route of exposure: Inhalation. Suspected of causing cancer. Route of exposure: Inhalation. P201 Obtain special instructions before use. P201 Obtain special instructions before use. P202 D on th andle until all safety precautions have been read and understood. P203 D on thandle until all safety precautions have been read and understood. P204 D on thandle until all safety precaution	Hazara(S		
Carc. 2 H351 Suspected of causing cancer. Route of exposure: Inhalation. Image: Carc. 2 H351 Suspected of causing cancer. Route of exposure: Inhalation. Image: Carc. 2 GHS07 Acute Tox. 4 H332 Harmful if inhaled. Skin Sens. 1 H317 May cause an allergic skin reaction. Label elements GHS07 GHS label elements Void Hazard pictograms GHS07, GHS08 Signal word Warning Hatard full calentary and the second seco	Classificat	ion of the substance or mixture	
Acute Tox. 4 H332 Harmful if inhaled.Skin Sens. 1 H317 May cause an allergic skin reaction.Label elementsGHS label elements VoidHazard pictograms GHS07, GHS08Signal word WarningHealth Hazard-determining components of labeling: Triethylene Glycol Dimethacrylate Benzoyl PeroxideHazard statementsHarmful if inhaled. May cause an allergic skin reaction.Suspected of causing cancer. Route of exposure: Inhalation.Precautionary statements P201Obtain special instructions before use. P202P201Obtain special instructions before use. P202P201Avoid breathing dust/fume/gas/mist/vapors/spray P271Vise only outdoors or in a well-ventilated area.		GHS08 Health hazard	
Acute Tox. 4 H332 Harmful if inhaled.Skin Sens. 1 H317 May cause an allergic skin reaction.Label elementsGHS label elements VoidHazard pictograms GHS07, GHS08Signal word WarningHealth Hazard-determining components of labeling: Triethylene Glycol Dimethacrylate Benzoyl PeroxideHazard statementsHarmful if inhaled. May cause an allergic skin reaction.Suspected of causing cancer. Route of exposure: Inhalation.Precautionary statements P201Obtain special instructions before use. P202P201Obtain special instructions before use. P202P201Avoid breathing dust/fume/gas/mist/vapors/spray P271Vise only outdoors or in a well-ventilated area.	Carc. 2	H351 Suspected of causing cancer. Route of exposure: Inhalation.	
Acute Tox. 4 H332 Harmful if inhaled.Skin Sens. 1 H317 May cause an allergic skin reaction.Label elementsGHS label elements VoidHazard pictograms GHS07, GHS08Signal word WarningHealth Hazard-determining components of labeling: Triethylene Glycol Dimethacrylate Benzoyl PeroxideHazard statementsHarmful if inhaled.May cause an allergic skin reaction.Suspected of causing cancer. Route of exposure: Inhalation.Precautionary statementsP201Obtain special instructions before use.P202Do not handle until all safety precautions have been read and understood.P261Avoid breathing dust/fume/gas/mist/vapors/sprayP271Use only outdoors or in a well-ventilated area.			
Skin Sens. 1H317 May cause an allergic skin reaction.Label elementsGHS label elementsVoidHazard pictogramsGHS07, GHS08Signal wordWarningHealth Hazard-determining components of labeling: TriethyleneGlycol DimethacrylateBenzoyl PeroxideHazard statementsHarmful if inhaled.Nay cause an allergic skin reaction.Suspected of causing cancer. Route of exposure: Inhalation.Precautionary statementsP201Obtain special instructions before use.P202Do not handle until all safety precautions have been read and understood.P261Avoid breathing dust/fume/gas/mist/vapors/sprayP271Use only outdoors or in a well-ventilated area.		GHS07	
Skin Sens. 1H317 May cause an allergic skin reaction.Label elementsGHS label elementsVoidHazard pictogramsGHS07, GHS08Signal wordWarningHealth Hazard-determining components of labeling: TriethyleneGlycol DimethacrylateBenzoyl PeroxideHazard statementsHarmful if inhaled.Nay cause an allergic skin reaction.Suspected of causing cancer. Route of exposure: Inhalation.Precautionary statementsP201Obtain special instructions before use.P202Do not handle until all safety precautions have been read and understood.P261Avoid breathing dust/fume/gas/mist/vapors/sprayP271Use only outdoors or in a well-ventilated area.	Acute Tox.	4 H332 Harmful if inhaled.	
GHS label elements VoidHazard pictograms GHS07, GHS08Signal word WarningHealth Hazard-determining components of labeling:Triethylene Glycol DimethacrylateBenzoyl PeroxideHazard statementsHazard statementsHarmful if inhaled.May cause an allergic skin reaction.Suspected of causing cancer. Route of exposure: Inhalation.Precautionary statementsP201Obtain special instructions before use.P202Do not handle until all safety precautions have been read and understood.P261Avoid breathing dust/fume/gas/mist/vapors/sprayP271Use only outdoors or in a well-ventilated area.			
Triethylene Glycol DimethacrylateBenzoyl PeroxideHazard statementsHarmful if inhaled.May cause an allergic skin reaction.Suspected of causing cancer. Route of exposure: Inhalation.Precautionary statementsP201Obtain special instructions before use.P202Do not handle until all safety precautions have been read and understood.P261Avoid breathing dust/fume/gas/mist/vapors/sprayP271Use only outdoors or in a well-ventilated area.	GHS label Hazard pic	elements Void tograms GHS07, GHS08	
Harmful if inhaled.May cause an allergic skin reaction.Suspected of causing cancer. Route of exposure: Inhalation.Precautionary statementsP201Obtain special instructions before use.P202Do not handle until all safety precautions have been read and understood.P261Avoid breathing dust/fume/gas/mist/vapors/sprayP271Use only outdoors or in a well-ventilated area.	Triethylene Benzoyl Pe	e Glycol Dimethacrylate roxide	
May cause an allergic skin reaction.Suspected of causing cancer. Route of exposure: Inhalation.Precautionary statementsP201Obtain special instructions before use.P202Do not handle until all safety precautions have been read and understood.P261Avoid breathing dust/fume/gas/mist/vapors/sprayP271Use only outdoors or in a well-ventilated area.			
Precautionary statementsP201Obtain special instructions before use.P202Do not handle until all safety precautions have been read and understood.P261Avoid breathing dust/fume/gas/mist/vapors/sprayP271Use only outdoors or in a well-ventilated area.	May cause	an allergic skin reaction.	
P201Obtain special instructions before use.P202Do not handle until all safety precautions have been read and understood.P261Avoid breathing dust/fume/gas/mist/vapors/sprayP271Use only outdoors or in a well-ventilated area.			
 P202 Do not handle until all safety precautions have been read and understood. P261 Avoid breathing dust/fume/gas/mist/vapors/spray P271 Use only outdoors or in a well-ventilated area. 			
P261Avoid breathing dust/fume/gas/mist/vapors/sprayP271Use only outdoors or in a well-ventilated area.	P202		
	P261	Avoid breathing dust/fume/gas/mist/vapors/spray	
	P271	Use only outdoors or in a well-ventilated area.	(Contd. on page

Printing date 09/24/2021

Reviewed on 09/24/2021

Trade name: PermafloTM DC Base

	(0	Contd. of page 1)
P272	Contaminated work clothing must not be allowed out of the workplace.	
P280	Wear protective gloves/protective clothing/eye protection/face protection.	
P302+P352	2 If on skin: Wash with plenty of water.	
P304+P340	0 IF INHALED: Remove person to fresh air and keep comfortable for breathing.	
	3 IF exposed or concerned: Get medical advice/attention.	
P312	Call a poison center/doctor if you feel unwell.	
P321	Specific treatment (see on this label).	
P333+P313	3 If skin irritation or rash occurs: Get medical advice/attention.	
P363	Wash contaminated clothing before reuse.	
P405	Store locked up.	
P501	Dispose of contents/container in accordance with local/regional/national/international r	egulations.
· Classification		0
· NFPA ratin	ngs (scale 0 - 4)	
	Health = 0	
	Fire = 0	
	Reactivity = 0	
• HMIS-ratin	ngs (scale 0 - 4)	
HEALTH	$\square Health = 0$	
FIRE	$\begin{array}{c} \hline 0 \\ Fire = 0 \end{array}$	
	$\begin{array}{c} \hline \\ \hline $	

3 Composition/information on ingredients

• Chemical characterization: Mixtures

• Description: Mixture of the substances listed below with nonhazardous additions.

· Dangerous d	components:	
109-16-0	Triethylene Glycol Dimethacrylate	>10- <i>≤</i> 25%
	Trade Secret	≥0-≤10%
	Alternative CAS number: 7631-86-9	
94-36-0	Benzoyl Peroxide	≥0.1-<1%
	🔗 🚸 Org. Perox. B, H241; 🚸 Eye Irrit. 2A, H319; Skin Sens. 1, H317	
13463-67-7	Titanium Dioxide	≥0.1-<25%
	🚸 Carc. 2, H351	

4 First-aid measures

· Description of first aid measures

• General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- After inhalation:
- *This product is a viscous gel, therefore chance of inhalation is extremely low. Seek medical treatment in case of complaints.*
- Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

• After skin contact:

If skin irritation continues, consult a doctor.

(Contd. on page 3)

US

Printing date 09/24/2021

Reviewed on 09/24/2021

(Contd. of page 2)

Immediately wash with water and soap and rinse thoroughly.

- · After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.
- Information for doctor:

Trade name: Permaflo[™] DC Base

- · Most important symptoms and effects, both acute and delayed No further relevant information available.
- · Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

5 Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents: Foam, dry chemical, carbon dioxide Use fire fighting measures that suit the environment.
- Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters
- **Protective equipment:** Wear fully protective suit. Mouth respiratory protective device.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures Not required.
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- *Methods and material for containment and cleaning up:* Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
- **Reference to other sections** See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7 Handling and storage

- · Handling:
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Prevent formation of aerosols.
- · Information about protection against explosions and fires: Keep respiratory protective device available.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions:
- Protect from heat

See product labelling. Protect from exposure to the light. Keep receptacle tightly sealed.

(Contd. on page 4)

– US

Printing date 09/24/2021

Reviewed on 09/24/2021

Trade name: PermafloTM DC Base

(Contd. of page 3)

• Specific end use(s) Professional Dental Restorative Material

8 Exposure controls/personal protection

• Additional information about design of technical systems: No further data; see item 7.

· Control parameters

· Components with limit values that require monitoring at the workplace:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

Trade Secret			
TWA	Short-term value: 0.8 mg/m ³		
13463-67-7 T	13463-67-7 Titanium Dioxide		
ACGIH TLV	Short-term value: 10* 5 mg/m ³		
PEL	Long-term value: 15* mg/m ³ *total dust		
REL	See Pocket Guide App. A		
TLV	Long-term value: 10 mg/m³		
	Short-term value: 15* 5 mg/m ³		
Additional information. The lists that were valid during the exection were used as basis			

• Additional information: The lists that were valid during the creation were used as basis.

- · Exposure controls
- · Personal protective equipment:
- General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately.

Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

• Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material is based on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

The selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

• *Eye protection: Goggles recommended during refilling.*

(Contd. on page 5)

US

(Contd. of page 4)

Safety Data Sheet acc. to OSHA HCS

Printing date 09/24/2021

Reviewed on 09/24/2021

Trade name: PermafloTM DC Base

· Body protection: Protective work clothing

Physical and chemical proper	rties	
Information on basic physical and	chemical properties	
General Information		
Appearance:		
Form:	Gel	
Color:	According to product specification	
Odor:	Acrylic	
Odor threshold:	Not determined.	
pH-value:	Not applicable (non-aqueous)	
Change in condition	T T 1	
Melting point/Melting range:	Undetermined.	
Boiling point/Boiling range:	Undetermined	
Flash point:	Not applicable	
Flammability (solid, gaseous):	Not applicable.	
Decomposition temperature:	Not determined.	
Auto igniting:	Product is not selfigniting.	
Danger of explosion:	Product does not present an explosion hazard.	
Explosion limits:		
Lower:	Not determined.	
Upper:	Not determined.	
Vapor pressure:	Not determined.	
Density at 20 °C:	$1.8-2.1 \text{ g/cm}^3$	
Relative density	Not determined	
Vapor density	Not determined.	
Evaporation rate	Not determined.	
Solubility in / Miscibility with		
Water:	Not miscible or difficult to mix.	
Partition coefficient (n-octanol/wat	ter): Not determined.	
Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined	
Solvent content:		
VOC content:	$\leq 0.13\%$	
VOC (EC)	2.3-≤2.7 g/l / 0.02 lb/gal ≤0.13 %	
Solids content:	<80.0 %	
Other information	No further relevant information available.	

(Contd. on page 6)

Printing date 09/24/2021

Reviewed on 09/24/2021

Trade name: PermafloTM DC Base

(Contd. of page 5)

10 Stability and reactivity

- *Reactivity* Polymerization occurs when exposed to amine catalysts, metal, or pressure.
- · Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions No dangerous reactions known.
- Conditions to avoid Visible light, ultraviolet light, and extreme heat
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

128-37-0 Butylated Hydroxytoluene

68187-11-1 Co-Cr-AL Spinel Blue Green

• Acute toxicity:

109-16-0	Triethylene Glycol Dim	nethacrylate
Oral	LD50	>5,000 mg/kg (rat)
	LC50 Fish	16.4 mg/l (Fish) (Toxicity to fish)
Dermal	LD50	>2,000 mg/kg (mouse)
Trade Sec	ret	
Oral	LD50	>15,000 mg/kg (mouse)
		>3,300 mg/kg (rat)
	LC50 Fish	>10,000 mg/l (Fish) (Toxicity to fish)
Dermal	LD50	>5,000 mg/kg (rabbit)
Inhalative	LC50/4 h	0.139 mg/l (rat)
94-36-0 B	enzoyl Peroxide	
Oral	LD50	>5,000 mg/kg (rat)
	LC50 Fish	0.0602 mg/l (Fish) (Toxicity to fish)
Inhalative	LD50 Inhalation 4hrs	24.3 mg/l (rat) (Testing of Chemicals Acute Toxicity Inhalation)
13463-67-	7 Titanium Dioxide	
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
on the skir on the eye Sensitizati Additional	l toxicological informa	ble through skin contact. tion: dangers according to internally approved calculation methods for preparations.
Carcinoge	enic categories	
IARC (Int	ternational Agency for	Research on Cancer)
	0 D 1 D 1	2
94-36-	0 Benzoyl Peroxide	3

3

2B

(Contd. of page 6)

1

K

Safety Data Sheet acc. to OSHA HCS

Printing date 09/24/2021

Reviewed on 09/24/2021

Trade name: PermafloTM DC Base

14808-60-7 Silica Glass

·NTP (National Toxicology Program)

14808-60-7 Silica Glass

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

· Toxicity

- 1 oxicity				
· Aquatic toxicity:				
109-16-0 Triethy	109-16-0 Triethylene Glycol Dimethacrylate			
EC50	>100 mg/kg (Algae)			
Biodegradability	28 days (Aerobic) (Biodegradability testing)			
Aqua toxicity	32 mg/l (daphnia) (No Observed Effect Concentration)			
Trade Secret				
EC50	>1,000 mg/kg (daphnia)			
94-36-0 Benzoyl	Peroxide			
Algae Toxicity	0.0711 mg/l (Algae) (Toxicity to algae)			
	0.11 mg/l (daphnia) (Toxicity to aquatic invertebrates)			
13463-67-7 Titar	nium Dioxide			
EC50	>100 mg/kg (Algae)			
	>1,000 mg/kg (Fish)			
	· Persistence and degradability No further relevant information available.			
· Behavior in environmental systems:				
· Bioaccumulative potential No further relevant information available.				
• Mobility in soil No further relevant information available.				
· Additional ecological information:				
· General notes:	· General notes:			

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- Results of PBT and vPvB assessment
- *PBT:* Not applicable.
- **vPvB:** Not applicable.
- Other adverse effects No further relevant information available.

13 Disposal considerations

· Waste treatment methods

· Recommendation:

Disposal should be in accordance with applicable regional, national and local laws and regulations.

· Uncleaned packagings:

• Recommendation: Disposal must be made according to official regulations.

(Contd. on page 8)

Printing date 09/24/2021

Reviewed on 09/24/2021

Trade name: PermafloTM DC Base

(Contd. of page 7)

UN-Number	Not Domilated	
DOT, ADN, IMDG, IATA	Not Regulated	
UN proper shipping name DOT, ADN, IMDG, IATA	Not Regulated	
Transport hazard class(es)		
DOT, ADN, IMDG, IATA		
Class	Not Regulated	
Packing group		
DOT, IMDG, IATA	Not Regulated	
Environmental hazards:	Not Applicable.	
Special precautions for user	Not Applicable	
Transport in bulk according to Annex	II of	
MARPOL73/78 and the IBC Code	Not Applicable.	

15 Regulatory information

• Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.

· Sara

Section 355 (extremely hazardous substances):		
None of the ingredients is listed.		
Section 313 (Specific toxic chemical listings):		
1344-28-1 Aluminium Oxide		
94-36-0 Benzoyl Peroxide		
68187-11-1 Co-Cr-AL Spinel Blue Green		
· TSCA (Toxic Substances Control Act):		
109-16-0 Triethylene Glycol Dimethacrylate	ACTIVE	
94-36-0 Benzoyl Peroxide	ACTIVE	
13463-67-7 Titanium Dioxide	ACTIVE	
· Hazardous Air Pollutants		
68187-11-1 Co-Cr-AL Spinel Blue Green		
· Proposition 65		
· Chemicals known to cause cancer:		
14808-60-7 Silica Glass		
· Chemicals known to cause reproductive toxicity for females:		
None of the ingredients is listed.		
· Chemicals known to cause reproductive toxicity for males:		
None of the ingredients is listed.		
· Chemicals known to cause developmental toxicity:		
64-17-5 Ethyl Alcohol		
	(Contd. on page 9)	

(Contd. on page 9)

US

Printing date 09/24/2021

Reviewed on 09/24/2021

Trade name: PermafloTM DC Base

(Contd. of page 8)

· Carcinogen	ic categories	
· EPA (Envir	onmental Protection Agency)	
None of the	ingredients is listed.	
· ACGIH Carcinogenicity (American Conference of Governmental Industrial Hygienists)		
1344-28-1	Aluminium Oxide	A4
94-36-0	Benzoyl Peroxide	A4
64-17-5	Ethyl Alcohol	A3
128-37-0	Butylated Hydroxytoluene	A4
14808-60-7	Silica Glass	A2
·NIOSH-Ca (National Institute for Occupational Safety and Health)		
14808-60-7	Silica Glass	

· Chemical safety assessment:

Device is biocompatible when used as directed by dental professionals per ISO 10993-1

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: Environmental, Health, and Safety

- · Contact: Customer Service
- · Date of preparation / last revision 09/24/2021 / -

• Abbreviations and acronvms: IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit Org. Perox. B: Organic peroxides - Type B Acute Tox. 4: Acute toxicity - Category 4 Eye Irrit. 2A: Serious eye damage/eye irritation - Category 2A Skin Sens. 1: Skin sensitisation - Category 1 Carc. 2: Carcinogenicity – Category 2

US