

# ARTHRODONT EXPERT TOOTHPASTE - ELGYDIUM CLINIC PERIOBLOCK PRO TOOTHPASTE IRRITATED GUMS

## Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Product code: DP0418  
Issue date: 12/13/2018 Revision date: 5/15/2020 Supersedes: 12/18/2019 Version: 3.0

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

### 1.1. Product identifier

Product form : Mixture  
Product name : ARTHRODONT EXPERT TOOTHPASTE - ELGYDIUM CLINIC PERIOBLOCK PRO  
TOOTHPASTE IRRITATED GUMS  
Product code : DP0418  
Type of product : Health

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

#### 1.2.1. Relevant identified uses

Industrial/Professional use spec : THIS MSDS IS FOR PROFESSIONAL USE ONLY (MANUFACTURING, STORAGE,  
TRANSPORT)  
IT IS NOT INTENDED FOR CONSUMER  
Use of the substance/mixture : Cosmetics industry

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

PIERRE FABRE ORAL CARE  
45 place Abel Gance  
92100 BOULOGNE - FRANCE  
T 33 (1) 49 10 80 00 - F 33 (1) 49 10 80 90  
[FDS@pierre-fabre.com](mailto:FDS@pierre-fabre.com)

### 1.4. Emergency telephone number

Emergency number : INRS : 33 (1) 45 42 59 59 (FRANCE)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412  
Full text of H statements : see section 16

#### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP) : -  
Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects.  
Precautionary statements (CLP) : P273 - Avoid release to the environment.  
P501 - Dispose of contents and container to hazardous or special waste collection point, in  
accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards

No additional information available

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
glycerin substance with national workplace exposure limit(s) (BE, FR, GB)	(CAS-No.) 56-81-5 (EC-No.) 200-289-5 (REACH-no) 01-2119471987-18	15 – 25	Not classified
sodium cocoyl aminoacide apple		1 – 5	Eye Irrit. 2, H319
carraghenate	(CAS-No.) 9000-07-1 (EC-No.) 232-524-2	1 – 5	Eye Irrit. 2, H319
sodium methyl cocoyl taurate	(CAS-No.) 61791-42-2 (EC-No.) 263-174-9 (REACH-no) 01-2119980954-21	1 – 5	Eye Irrit. 2, H319
enoxolone substance with national workplace exposure limit(s) (FR)	(CAS-No.) 471-53-4 (EC-No.) 207-444-6	0.01 – 1	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319
chlorhexidine digluconate	(CAS-No.) 18472-51-0 (EC-No.) 242-354-0 (REACH-no) 01-2119946568-22	0.01 – 1	Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)
citral substance with national workplace exposure limit(s) (BE)	(CAS-No.) 5392-40-5 (EC-No.) 226-394-6 (EC Index-No.) 605-019-00-3 (REACH-no) 01-2119462829-23	< 0.01	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317

Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation	: Allow the victim to rest. Assure fresh air breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: Remove contaminated clothes for decontamination by the bottom (not to contaminate the face). Rinse the skin during at least 15 minutes with water at 15° C at 15 cm. If skin irritation occurs, Get medical advice/attention.
First-aid measures after eye contact	: Immediately rinse with clean water for 15-20 minutes, and respect this time. Avoid contaminating the healthy eye during the rinsing. Consult an ophtalmologist if irritation persists.
First-aid measures after ingestion	: Allow the victim to rest. Get medical advice/attention if you feel unwell.

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

No additional information available

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

No additional information available

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Dry powder.

#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : COx. NOx. SOx. H2S. HCl.

#### 5.3. Advice for firefighters

Precautionary measures fire : Do not enter fire area without proper protective equipment: fire clothes, boots and Individual Respiratory Protection.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures : Avoid product contact. Do not breathe vapours. Ventilate spillage area. Evacuate the danger area, observe emergency procedures.

##### 6.1.2. For emergency responders

Emergency procedures : Delimit the discharge area and prohibit the access. Discharges should be handled by trained cleaning personnel equipped with appropriated protection (Section 8).

#### 6.2. Environmental precautions

Avoid release in sewage, river and ground water (earth dike, sewage shutter). In case of discharge, contact the agreed authority when the situation can not be controlled quickly and effectively.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Contain the discharges and collect them with absorbing material of the universal trade. Keep the wastes in closed and tight container.

#### 6.4. Reference to other sections

Indications about protective equipment (see Section 8). Indications about waste treatment (see Section 13).

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : People with appropriated protection equipment (Section 8).  
Hygiene measures : Handle under hood. Wash hands after each handling. Remove the contaminated clothes. Do not drink, eat or smoke in the handling room. Inspect the individual protection equipment after each handling. No personal objects at the work station. Avoid taking contaminated clothes home. Change clothes systematically at coffee breaks or meal times.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Store at room temperature. Keep away from light.  
Storage temperature : < 25 °C

#### 7.3. Specific end use(s)

Apart from the use mentioned in Section 1.2 no other specific use is stipulated.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### glycerin (56-81-5)

##### United Kingdom - Occupational Exposure Limits

Local name	Glycerol
WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> mist
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

#### 8.2. Exposure controls

##### Appropriate engineering controls:

Chemical hood or sorbonne for handling. Fume detector. First-aid kit. Security instructions.

##### Personal protective equipment:

Not required for normal conditions of use.

##### Thermal hazard protection:

No additional information available.

##### Environmental exposure controls:

No additional information available.

##### Consumer exposure controls:

No additional information available.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Paste.
Colour	: Pearly.
Odour	: Mint.
Odour threshold	: No data available
pH	: 5.14 – 5.28
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1.154 – 1.158
Density	: 1.158 g/cm <sup>3</sup>
Solubilities	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: 10887.737 mm <sup>2</sup> /s
Viscosity, dynamic	: 12608 (12608 – 13712) mPa·s
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

#### 9.2. Other informations

No additional information available

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

Stable under recommended storage conditions (Section 7).

#### 10.3. Possibility of hazardous reactions

No additional information available

#### 10.4. Conditions to avoid

Heat. Freezing. Light.

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

CO<sub>x</sub>. NO<sub>x</sub>. SO<sub>x</sub>. H<sub>2</sub>S. HCl.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral) : No additional information available  
Acute toxicity (dermal) : No additional information available  
Acute toxicity (inhalation) : No additional information available

#### glycerin (56-81-5)

LD50 oral rat	12600 mg/kg
LD50 dermal rabbit	> 10000 mg/kg

#### carraghenate (9000-07-1)

LD50 oral rat	5400 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

#### sodium methyl cocoyl taurate (61791-42-2)

LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

#### enoxolone (471-53-4)

LD50 oral rat	610 mg/kg
LD50, intraperitoneal, rat	1500 mg/kg
LD50, intraperitoneal, mouse	420 mg/kg (female)
LD50, oral, mouse	1400 mg/kg (male)
LD50, oral, mouse	1300 mg/kg (female)

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### chlorhexidine digluconate (18472-51-0)

LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

### citral (5392-40-5)

LD50 oral rat	4960 mg/kg
LD50 dermal rat	2000 mg/kg
LD50 dermal rabbit	2250 mg/kg

Skin corrosion/irritation	: No additional information available pH: 5.14 – 5.28
Serious eye damage/irritation	: No additional information available pH: 5.14 – 5.28
Respiratory or skin sensitisation	: No additional information available
Germ cell mutagenicity	: No additional information available
Carcinogenicity	: No additional information available

### glycerin (56-81-5)

NOAEL (chronic, oral, rat/male, 2 years)	8000 – 10000 mg/kg/d
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### chlorhexidine digluconate (18472-51-0)

LOAEL, oral, rat	8.88 mg/kg/d (2 years)
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### citral (5392-40-5)

NOAEL (chronic, oral, rat/male, 2 years)	60 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other:Effect type: toxicity (migrated information)
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Reproductive toxicity	: No additional information available
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### chlorhexidine digluconate (18472-51-0)

NOAEL (animal/female, F0/P)	10 mg/kg/d (maternal toxicity, oral, rat)
NOAEL (animal/male, F1)	30 mg/kg/d (developmental toxicity, oral, rat)
NOAEL (animal/female, F1)	30 mg/kg/d (developmental toxicity, oral, rat)

STOT-single exposure	: No additional information available
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STOT-repeated exposure	: No additional information available
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### sodium methyl cocoyl taurate (61791-42-2)

NOAEL (subacute, oral, rat, 28 days)	≥ 1000 mg/kg/d
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### enoxolone (471-53-4)

NOAEL (subacute, oral, rat, 28 days)	200 mg/kg/d
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### citral (5392-40-5)

LOAEL (oral, rat, 90 days)	335 mg/kg/d
LOAEC (inhalation, rat, gas, 90 days)	68 ppm Animal: rat, Animal sex: female

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NOAEL (oral, rat, 90 days)	100 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
NOAEC (inhalation, rat, gas, 90 days)	34 ppm Animal: rat, Animal sex: female
NOAEL (subchronic, oral, animal/male, 90 days)	60 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

Others : Additional studies available :  
Additional information : Tested at the concentration of 10 %:  
- Evaluation of gingival irritation potential after application on reconstituted human gingival epithelium: non irritant

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Viscosity, kinematic	10887.737 mm <sup>2</sup> /s
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Other informations : The classification of this mixture was realized according to the concentrations of different ingredients and due to toxicological data obtained about the mixture itself or about a similar mixture.

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : No additional information available  
Hazardous to the aquatic environment, long-term (chronic) : No additional information available

#### glycerin (56-81-5)

LC50 96h fish	54000 mg/l
LC50 other aquatic organisms	> 1000 mg/l
LC50 other aquatic organisms	> 1000 mg/l

#### sodium methyl cocoyl taurate (61791-42-2)

LC50 96h fish	5.04 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 48h daphnia	4.6 mg/l Test organisms (species): Daphnia magna
ErC50 72h algae	> 100 mg/l
NOEC, daphnia	4 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC, chronic, daphnia (21d)	4 mg/l
NOEC, chronic, algae (72h)	10 mg/l

#### chlorhexidine digluconate (18472-51-0)

LC50 96h fish	2.08 mg/l
EC50 48h daphnia	0.087 mg/l
EC50 72h algae	0.038 mg/l
ErC50 72h algae	0.081 mg/l
NOEC, chronic, daphnia (21d)	0.0206 mg/l
NOEC, chronic, algae (72h)	0.007 mg/l

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### **citral (5392-40-5)**

LC50 96h fish	6.78 mg/l Test organisms (species): Leuciscus idus
EC50 48h daphnia	6.8 mg/l Test organisms (species): Daphnia magna
EC50 72h algae	103.8 mg/l
NOEC, acute, fish	4.6 mg/l

### **12.2. Persistence and degradability**

#### **glycerin (56-81-5)**

Persistence and degradability	Readily biodegradable.
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#### **carraghenate (9000-07-1)**

Persistence and degradability	Readily biodegradable.
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#### **sodium methyl cocoyl taurate (61791-42-2)**

Persistence and degradability	Readily biodegradable.
Biodegradation (28d)	82 %

#### **chlorhexidine digluconate (18472-51-0)**

Persistence and degradability	Not readily biodegradable.
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#### **citral (5392-40-5)**

Persistence and degradability	Readily biodegradable.
Biodegradation (28d)	85 – 95 %

### **12.3. Bioaccumulative potential**

#### **glycerin (56-81-5)**

Partition coefficient n-octanol/water (Log Kow)	-1.75
Bioaccumulative potential	Bioaccumulation is not expected (Log Kow < 1).

#### **sodium cocoyl aminoacide apple**

Partition coefficient n-octanol/water (Log Kow)	-0.69
Bioaccumulative potential	Bioaccumulation is not expected (Log Kow < 1).

#### **sodium methyl cocoyl taurate (61791-42-2)**

Partition coefficient n-octanol/water (Log Kow)	0.24
Bioaccumulative potential	Bioaccumulation is not expected (Log Kow < 1).

#### **enoxolone (471-53-4)**

Partition coefficient n-octanol/water (Log Kow)	6.9
Bioaccumulative potential	Bioaccumulation is expected (Log Kow >3).

#### **chlorhexidine digluconate (18472-51-0)**

Partition coefficient n-octanol/water (Log Kow)	> 3.9
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Bioaccumulative potential	Bioaccumulation is expected (Log Kow >3).
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### citral (5392-40-5)

Partition coefficient n-octanol/water (Log Kow)	2.76
Bioaccumulative potential	Low bioaccumulation potential (1 < Log Kow < 3).

### 12.4. Mobility in soil

### chlorhexidine digluconate (18472-51-0)

Mobility in soil	> 3.9
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### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Others

Additional information : The classification of this mixture was realized according to the concentrations of different ingredients

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of this material and its container at hazardous or special waste collection point.

## SECTION 14: Transport information

In accordance with ADR / ADN / IATA / IMDG / RID

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.2. UN proper shipping name</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.4. Packing group</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

### 14.6. Special precautions for user

#### Overland transport

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### Inland waterway transport

Not regulated

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### Rail transport

Not regulated

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

### Indication of changes:

Section	Changed item	Change	Comments
1.1	Name	Modified	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	

Other information : 401 A - 01.

### Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1B	Skin sensitisation, category 1B
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

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H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

SDS EU (REACH Annex II)

Département Evaluation Sécurité des Produits

DISCLAIMER OF LIABILITY: The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

This SDS shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user:

- Medicinal products as defined in Directive 2001/83/EC,
- Cosmetic products as defined in Directive 76/768/EEC,
- Medical devices as defined in Directives 90/385/EEC and 93/42/EEC,  
which are invasive or used in direct physical contact with the human body, and in Directive 98/79/EC.