

ENDOFILL LIQUID - ART.10272 GHS



## SAFETY DATA SHEET

### SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name : ENDOFILL LIQUID

Product code : ART.10272.

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

For dental professional use only.

To mix with ENDOFILL POWDER.

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

Registered company name : PRODUITS DENTAIRE SA.

Address : Rue des Bosquets 18 .1800 .Vevey .Switzerland.

Telephone : +41 21 921 26 31. Fax : .

info@pd-dental.com

https://pd-dental.com

#### 1.4. Emergency telephone number : +41 21 921 26 31.

Association/Organisation : .

### SECTION 2 : HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

##### GHS compliant.

Eye irritation, Category 2A (Eye Irrit. 2A, H319).

Skin sensitisation, Category 1B (Skin Sens. 1B, H317).

This substance does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This substance does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

#### 2.2. Label elements

##### GHS compliant.

Hazard pictograms :



GHS07

Signal Word :

WARNING

Product identifiers :

CAS 97-53-0 EUGENOL

Hazard statements :

H317

May cause an allergic skin reaction.

H319

Causes serious eye irritation.

Precautionary statements - Prevention :

P261

Avoid breathing vapours.

P264

Wash hands thoroughly after handling.

P280

Wear protective gloves according to the hygienic rules in force in dental surgeries.

Precautionary statements - Response :

P302 + P352

IF ON SKIN: Wash with plenty of water

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P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333 + P313

If skin irritation or rash occurs: Get medical advice/attention.

P337 + P313

If eye irritation persists: Get medical advice/attention.

Precautionary statements - Disposal :

P501

Dispose of contents/container according to the hygienic rules in force in dental surgeries and according to the legislation in force.

**2.3. Other hazards****SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS****3.1. Substances****Composition :**

Identification	Classification GHS	Note	%
CAS: 97-53-0 EC: 202-589-1 EUGENOL	GHS07 Wng Skin Sens. 1B, H317 Eye Irrit. 2, H319		100.0000%

**SECTION 4 : FIRST AID MEASURES**

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

**4.1. Description of first aid measures****In the event of exposure by inhalation :**

In the event of massive inhalation, remove the person exposed to fresh air. Keep warm and at rest.

**In the event of splashes or contact with eyes :**

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

**In the event of splashes or contact with skin :**

In the event of an allergic reaction, seek medical attention.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

Be careful with product which can remain between the skin and the clothes, the watch, the jewels.

Wash the skin thoroughly with soap and fresh water.

**In the event of swallowing :**

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

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

Symptoms of poisoning may even occur after several hours.

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

No data available.

**SECTION 5 : FIREFIGHTING MEASURES**

Non-flammable.

**5.1. Extinguishing media****Suitable methods of extinction**

In the event of a fire, use :

- sprayed water or water mist
- carbon dioxide (CO<sub>2</sub>)

**Unsuitable methods of extinction**

In the event of a fire, do not use :

- water jet

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

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)
- toxic smokes

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus.

**SECTION 6 : ACCIDENTAL RELEASE MEASURES**

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

Consult the safety measures listed under headings 7 and 8.

**For non first aid worker**

Avoid any contact with the skin and eyes.

Avoid inhaling the vapours.

**For first aid worker**

First aid workers will be equipped with suitable personal protective equipment (See section 8).

Avoid inhaling the vapors.

Avoid any contact with the skin and eyes.

**6.2. Environmental precautions**

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

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

Clean preferably with a detergent, do not use solvents.

**6.4. Reference to other sections**

No data available.

**SECTION 7 : HANDLING AND STORAGE**

Respect storage precautions mentioned on the packaging or in the instructions for use.

**7.1. Precautions for safe handling**

Always wash hands after handling.

The persons who have medical histories of cutaneous reactions must use this product with all the required precautions.

**Fire prevention :**

Prevent access by unauthorised personnel.

**Recommended equipment and procedures :**

For personal protection, see section 8.

Avoid skin and eye contact with this substance.

Packages which have been opened must be reclosed carefully and stored in an upright position.

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

Keep in the original container, respect the storage temperatures mentioned on the container, the leaflet and the box.

**Storage**

Keep the well closed bottle.

**Packaging**

Always conserve in the original packaging.

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

Consult instructions for use enclosed.

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SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No data available.

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



- Eye / face protection

Avoid contact with eyes.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

- Hand protection

Wear gloves according to the hygienic rules in force in dental surgeries.

- Body protection

Avoid skin contact.

After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

Avoid breathing vapours.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

No data available.

Physical state

Physical state : Fluid liquid.

Colour

Colour: Colourless, can darken with time.

Odour

Odour threshold : Not stated.  
Odour Characteristic

Melting point

Melting point/melting range : Not relevant.

Freezing point

Freezing point / Freezing range : Not stated.

Boiling point or initial boiling point and boiling range

Boiling point/boiling range : Not relevant.

Flammability

Flammability (solid, gas) : Not stated.

Lower and upper explosion limit

Explosive properties, lower explosivity limit (%) Not stated.

:

Explosive properties, upper explosivity limit (%) Not stated.

:

Flash point

Flash Point : 100.00 °C.

Auto-ignition temperature

Self-ignition temperature : Not relevant.

Decomposition temperature

Decomposition point/decomposition range : Not relevant.

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**pH**

pH (aqueous solution) : Not stated.  
pH : 5.00 .  
Neutral.

**Kinematic viscosity**

Viscosity : 6.9  
Viscosity:  $\nu < 7 \text{ mm}^2/\text{s}$  (40°C)

**Solubility**

Water solubility : Insoluble.  
Fat solubility : Not stated.

**Partition coefficient n-octanol/water (log value)**

Partition coefficient: n-octanol/water : Not stated.

**Vapour pressure**

Vapour pressure (50°C) : Not relevant.

**Density and/or relative density**

Density : 1.067

**Relative vapour density**

Vapour density : Not stated.

**9.2. Other information**

Index of refraction : 1.54

**9.2.1. Information with regard to physical hazard classes**

No data available.

**9.2.2. Other safety characteristics**

No data available.

**Miscibility**

Miscibility : Ethanol

**SECTION 10 : STABILITY AND REACTIVITY****10.1. Reactivity**

No data available.

**10.2. Chemical stability**

This substance is stable under the recommended handling and storage conditions in section 7.

Do not use if the expiry date is exceeded.

**10.3. Possibility of hazardous reactions**

No data available.

**10.4. Conditions to avoid**

Avoid :

- heat
- exposure to light

**10.5. Incompatible materials**

Keep away from :

- acids
- bases

**10.6. Hazardous decomposition products**

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)
- toxic smokes

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## SECTION 11 : TOXICOLOGICAL INFORMATION

## 11.1. Information on toxicological effects

## 11.1.1. Substances

## a) Acute toxicity :

No data available.

## b) Skin corrosion/skin irritation :

No data available.

## c) Serious damage to eyes/eye irritation :

May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

## d) Respiratory or skin sensitisation :

May cause an allergic reaction by skin contact.

## e) Germ cell mutagenicity :

No data available.

## f) Carcinogenicity :

No data available.

## g) Reproductive toxicant :

No data available.

## h) Specific target organ systemic toxicity - single exposure :

No data available.

## i) Specific target organ systemic toxicity - repeated exposure :

No data available.

## j) Aspiration hazard :

No data available.

## Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 97-53-0 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

## 11.2. Information on other hazards

## SECTION 12 : ECOLOGICAL INFORMATION

## 12.1. Toxicity

## 12.1.1. Substances

EUGENOL (CAS: 97-53-0)

Fish toxicity :

LC50 = 13 mg/l

Duration of exposure : 24 h

Crustacean toxicity :

EC50 = 1.05 mg/l

Duration of exposure : 48 h

Algae toxicity :

ECr50 = 24 mg/l

Duration of exposure : 72 h

## 12.2. Persistence and degradability

## 12.2.1. Substances

EUGENOL (CAS: 97-53-0)

Biodegradability :

Rapidly degradable.

## 12.3. Bioaccumulative potential

## 12.3.1. Substances

EUGENOL (CAS: 97-53-0)

Octanol/water partition coefficient :

log K<sub>ow</sub> = 1.83

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**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

No data available.

**12.6. Endocrine disrupting properties**

No data available.

**12.7. Other adverse effects**

No data available.

**SECTION 13 : DISPOSAL CONSIDERATIONS**

The appropriate waste management of the substance and/or its container must be determined in accordance with local regulations.

**13.1. Waste treatment methods**

Do not pour into drains or waterways.

**Waste :**

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

**Soiled packaging :**

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

**SECTION 14 : TRANSPORT INFORMATION**

Exempt from transport classification and labelling.

**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**

-

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

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**SECTION 15 : REGULATORY INFORMATION**

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

The following regulations have been used:

- Globally Harmonized System of Classification and Labelling of Chemicals (GHS), review no. 8 (2019)

**Container information:**

No data available.

**Particular provisions :**

No data available.

**Substances that deplete the ozone layer (EC Regulation No. 1005/2009, Montreal Protocol) :**

The substance does not pose a risk to the ozone layer.

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**15.2. Chemical safety assessment**

No data available.

**SECTION 16 : OTHER INFORMATION**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the substance and not as a guarantee of the properties thereof.

**Wording of the phrases mentioned in section 3 :**

H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

**Abbreviations and acronyms :**

LC50 : The concentration of a test substance resulting in 50% lethality in a given period.

EC50 : The effective concentration of substance that causes 50% of the maximum response.

ECr50 : The effective concentration of substance that causes 50% reduction in growth rate.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

GHS07 : Exclamation mark

IATA : International Air Transport Association.

IMDG : International Maritime Dangerous Goods.

ICAO : International Civil Aviation Organisation

PBT: Persistent, bioaccumulable and toxic.

RID : Regulations concerning the International carriage of Dangerous goods by rail.

vPvB : Very persistent, very bioaccumulable.