



## DSP White Endo Perborate

MANUFACTURED AND DISTRIBUTED BY:

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DSP Industrial LTDA | CNPJ: 03.960.018/0001-23

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FOR PURCHASES, QUESTIONS,  
COMPLIMENTS, AND COMPLAINTS:

0800 600 8866

## INSTRUCTIONS FOR USE | English

**TRADE NAME:** DSP White Endo Perborate

**TECHNICAL NAME:** Dental Whitening Agents

**WITH CODE:** 0.5002

Please read all information of this instruction for use carefully before applying the product.

DENTAL WHITENER FOR CLINICAL USE.

FOR HOME APPLICATION UNDER THE SUPERVISION OF A DENTAL SURGEON

**SALE UNDER PRESCRIPTION (ACCORDING TO RDC NO. 923 OF 2024)**

Keep for consultation until the total consumption of the product.

Keep this instruction until there is no more interaction of the product with your patient.

### CONTENT:

- 1 bottle of Sodium Perborate 10g;
- 1 bottle of Hydrogen Peroxide Solution 20% 10g;
- 1 powder measure;
- 1 plate for blending;
- 1 instruction manual for the professional.

### PRODUCT DESCRIPTION:

DSP White Endo Sodium Perborate is a whitening system based on sodium perborate and 20% hydrogen peroxide, for professional use. Sodium perborate is a powdered substance that in contact with water decomposes into sodium metaborate, hydrogen peroxide and oxygen. It is used in combination with hydrogen peroxide for whitening in non-vital teeth.

To perform the tooth restoration after whitening, it is recommended to wait 7 to 15 days, because in this interval there is the stabilization of the final color and the elimination of any traces of oxygen derivatives

## DSP WHITE ENDO PERBORATE

that can interfere with the polymerization of the adhesive systems and the composite resins used in the restorative treatment.

The dimensions of the color (hue, chroma and value) are influenced by the presence of the dental pulp. When it ceases to exist, for example, in cases of pulp necrosis, a change in the color and brightness of the tooth can occur, usually with a dark tone and with shades that can vary between gray, green or blue.

The main causes of color changes in the crown of extirpated teeth are: Pulp hemorrhage caused by trauma; hemorrhage after pulp extirpation; insufficient coronary opening; decomposition of the coronary pulp; medicines and substances used in the treatment of the canal; permanent and temporary restorative materials; pulp calcification. The tooth darkening process occurs due to the formation of chemically stable structures, responsible for the progressive installation of stains on the dental crown. The basic whitening process involves oxidation, which consists of a chemical process where organic materials are converted into carbon dioxide and water. Pigments are composed of a large amount of carbon molecules. These are broken down and converted into intermediate compounds (smaller chains) that are lighter. This chemical reaction changes the type, number, and relative position of the atoms that make up these molecules. During the course of the whitening, the carbon chains are transformed into carbon dioxide and water, being gradually released together with the nascent oxygen.

### PRODUCT INDICATION:

DSP White Endo Perborate is a whitening system based on Sodium Perborate and 20% Hydrogen To access the IFU go to [dspbiomedical.com/ifu](https://dspbiomedical.com/ifu) with code: 0.5002 Peroxide for professional use, indicated for the whitening of non-vitalized teeth. DSP White Endo Perborate should be administered inside the pulp chamber of the tooth to be whitened, and should remain for a period to oxidize the existing pigments.

**COMPOSITION:**

Phase 1 Powder: Sodium perborate tetrahydrate; Phase 2 Liquid: Concentrated Hydrogen Peroxide Solution 20% After blending of phases: Hydrogen Peroxide 15% - 25%, Thickeners and Deionized Water.

**INSTRUCTIONS FOR USE:****1st step**

Verify through clinical and radiographic examination the level of excellence of endodontic filling;

**2nd step**

Perform prophylaxis;

**3rd step**

Recording the current color for later comparison;

**4th step**

Absolute isolation to avoid contact of the product with adjacent soft tissues;

**5th step**

Clean the pulp chamber;

**6th Step**

Based on the amelocementary limit (verified on the x-ray), remove 3-4mm of obturator material beyond this anatomical limit and create a cervical plug of approximately 2mm (it is recommended to use chemically activated glass ionomer or other sealer of your choice). This type of restoration aims to prevent the permeation of excess nascent oxygen to the dentin/endodontic filling interface and to the periodontium, minimizing the chances of pericementitis and external cervical resorption, respectively.

**7th Step**

Perform the acid conditioning of the entire pulp chamber and the superficial cavity angle of the coronary opening, wash in abundance and dry. This procedure aims to remove the Smear Layer that forms during the instrumentation of the cavity and facilitates the action of DSP White Endo Perborate; the conditioning of the surface cavity facilitates the subsequent retention of the temporary restoration.

**8th Step**

Mix 1 measures of DSP White Endo Perborate (powder phase) with 1 drop of DSP White Endo Perborate (liquid phase), until it forms a paste of firm consistency, and insert this paste inside the pulp chamber;

**9th Step**

Seal the cavity with a temporary restorer and reassess the case after 5 to 7 days;

**Step 10**

If necessary, repeat the application to achieve the desired effect, re-evaluating after 3 to 4 days. It is not necessary to repeat the acid conditioning.

**Step 11**

After completing the whitening treatment, it is recommended to wait at least one week to perform the definitive restoration. This time for restoration is suggested due to the release of oxygen, as it may interfere with the polymerization of the composite resin and impair its bonding with the whitened tooth.

**PRECAUTIONS AND CONTRAINDICATIONS:**

- This is a product that must always be indicated and supervised by a dentist;
- The product should not be used by pregnant and/ or lactating women and in patients under 15 years old;
- Avoid the purposeful and excessive ingestion of the product;
- Do not use in patients with any sensitivity to the components of this product, as patients with allergic histories to the components of this formulation must present examinations to a specialist before using this product;
- Always advise your patient to return to the clinic to monitor the treatment always after one week (7 days), for evaluations and to ensure the effectiveness of the results of tooth whitening until the end of treatment;
- Always keep away from heat and/or sunlight. DSP White Endo Perborate can be stored at room temperature;
- Non-injectable product. Do not reuse the packaging.

**SIDE EFFECTS:**

- Intense internal pressure may occur in the pulp chamber due to the decomposition of the peroxide.
- If you notice that the element is lightening very quickly. The professional should assess the need to discontinue treatment early.
- Avoid the imposition of forces on the tooth that is being whitened, due to the risk of fracture due to the fragility of the tooth during the whitening treatment.
- Avoid coloring in foods and drinks. Discontinue use of the product in case of allergic reactions.

**CONSERVATION AND STORAGE:**

- Keep the product in its packaging always closed.
- Protect from the incidence of direct sunlight.
- Store the product at temperatures from 0°C to 30°C.














- If they find malfunctions, request the replacement of the material.

DATE OF MANUFACTURE: PACKING EXPIRATION

DATE: 2 YEARS AFTER THE DATE OF MANUFACTURE.

**WARNING:**

Respect the expiration date. Never use the product if it has expired. Keep out of reach of children. For dental use only. Before using observe the appearance of the product, if you notice any anomalies, contact the manufacturer or a professional immediately. The manufacturer is not responsible for damages caused by other uses or by incorrect handling. This material has been manufactured for dental use only and must be handled according to the instructions for use. It is the responsibility of the user to prove, before the use of this product, that this material is compatible and suitable for the desired use, especially when this use is not indicated in these instructions for use. Data descriptions do not constitute any kind of guarantee and, therefore, do not have any link. Do not reuse empty packages. Do not reuse empty packaging for other purposes. To dispose of the product, follow local legislation.

	Code of Product
	Number of the lot
	Manufacturer
	Date of manufacturing
	Representative in the community european
	Prohibited Reprocess
	Date of Durability Minimum
	Do not reuse
	Do not use if the package it's damaged
	Keep Dry
	Keep away from light
	Notification demanded by FDA for Business In the USA.
	Reference to information join or attached