



ISALTIS

ORAL CARE ACTIVES

INNOVATION BEYOND EXPERTISE

Ingredients for Oral Care

Expert in manufacturing high purity mineral salts, Isaltis develops high performance and multi-functionality ingredients for oral care products. Our mineral salts provide both physiological and functional benefits in toothpaste, mouthwash and chewing gum products.

> Prevent dental cavities

- **FURDENTYL™ – CALCIUM GLYCEROPHOSPHATE**

Calcium glycerophosphate provides enamel protection and is a cariostatic agent. Furdentyl™ is a source of calcium and phosphorus, which are two essential components of teeth. Calcium glycerophosphate is one of the most soluble calcium salts and can replace fluoride. It is GRAS approved and can also be used as a source of calcium in food fortification.



> Prevent Tartar & Gingivitis/Neutralize bad odors

- **FURDENTYL CiZN – ZINC CITRATE**
- **FURDENTYL ZnG – ZINC GLUCONATE**
- **FURDENTYL LAZN – ZINC LACTATE**

Zinc has both anti-microbial and anti-inflammatory effects and the ability to reduce or inhibit the formation of dental plaque and tartar. Zinc salts control bad breath through both their anti-microbial action and the neutralisation of volatile sulphur compounds responsible for malodour.

> Treat dentin hypersensitivity

- **FURDENTYL OxK – POTASSIUM OXALATE**
- **FURDENTYL NiK – POTASSIUM NITRATE**
- **FURDENTYL AcSR – STRONTIUM ACETATE**
- **FURDENTYL ClSR – STRONTIUM CHLORIDE**
- **FURDENTYL PZN – ZINC PHOSPHATE**

A number of studies have reported the efficacy of potassium nitrate for managing dentinal hypersensitivity. It blocks the synapse between nerve cells, reducing nerve excitation; and blocks the tubules, reducing the fluid flow in them.

Strontium salts work by precipitation of strontium and depositing fine particles of insoluble strontium compounds on dentine surfaces and within the dentine tubules.

Potassium oxalate involves two mechanisms and have both short and long term effects. It depolarizes the nerve endings and also precipitates in the dentinal tubules.

Zinc phosphate is an essential compound of dental cements, and is commonly used for cementation of inlays, crowns, bridges, and orthodontic appliances. Zinc phosphate can also be used in toothpastes.



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