

Desoxid I (75 %)

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Instructions for use

Description

Pickling Solution for for precious dental alloys containing more than 50 % gold and palladium based alloys (contains sulphamic acid).

Indication

For the removal of oxides on precious dental casting alloys. Desoxid is an extremely efficient pickling media with numerous advantages over traditional acid pickling. It does not produce corrosive or unpleasant fumes and as a consequence equipment, instruments and clothing do not suffer deterioration and neither fume extraction nor special pickling apparatus is unnecessary.

Instructions for use

Solution Preparation: Fill the bottle to the mark with warm distilled water 60°C (140°F). Ensure cap is fully tightened and shake until powder is completely dissolved. Heat the solution to 80°C (176°F) in a fireproof porcelain or Pyrex dish. Using acid resistant tweezers place the unit in the solution. After 30 seconds remove and rinse well with fresh water. Maintain the correct acid/water ratio by adding distilled water to compensate for loss by evaporation. After prolonged use the solution will take on a greenish tint and becomes ineffective. Discard and use fresh solution.

Remarks

Dispose according to Federal, State and Local regulations.

Disposal of spent Desoxid:

Spent Desoxid solution (25 ml) is poured into a glass or heat resistant container and mixed with a solution of 30g sodium hydroxide (eg. Merck, art. ref: 6462) in about 100ml of water. Add about 5g of aluminium cuttings or chips (eg. Merck, art ref: 820052). The solution will produce an odor similar to ammonia. Leave to stand overnight until the initial color has completely disappeared and evolution of gas has almost stopped. Copper and other metals such as zinc will have formed a precipitate, and the solution will appear muddy. The solution (now predominantly aluminium hydroxide) should be decanted from the metal residue and, when generously diluted with tap water, discharged into the drain. (If in doubt check with your local authority that this is in accordance with the permissible concentration of noxious matter in waste water in your community). The metal sludge contains no precious metal and is suitable for normal waste disposal. Excess aluminium can be reused.

Particular risks and safety precautions

The powder when mixed with water will be acidic. Take special care when handling acids. Avoid contact with skin. Use protective measures for hands, eyes and face. Do not over heat.

Xi



irritant

Contains: Sulfamic Acid

R36/38 Irritating to eyes and skin.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 After contact with skin, wash immediately with plenty of soap and water.

S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.



Presentation
08052190 Desoxid I, 214g

Rx only