Werkstoffdatenblatt

Material data sheet

Identification Color

DBWS-023-2

[1/1]

1. General

The identification color is used for color coding of rotary instruments (burs, abrasives, cutters, etc.) and dental implants (root posts, parapulpal pins).

2. Chemical characterization

The identification color consists of three components, whereby none as poisonous or very poisonous marked substances (marking: T or T+) are used as raw materials. The identification color fulfills the requirements of the CEPE exclusion list for printing links and related products of the European federation of the printing ink manufacturers.

2.1 Color

- Bonding agent: epoxy resin
- Pigment: organic or non-organic pigments
- Solvent: ester, ketone, aromatic hydrocarbons

The colours are heavy metal-free in their pigmentation and correspond to the regulations of the EN 71, part 3: safety regarding toys, migration of certain elements.

2.2 Hardener

- Composition: amino-functional hydrosilicon, aromatic hydrocarbons

2.3 Addition agents

- Composition: ester, ketone, aromatic compounds

3. Weight distribution

20 parts ink : 1 part hardener; 15-30% addition agents

4. Compatibility

4.1 The identification color for the above mentioned products has been used for many years successfully. Side effects detrimental to health are not known to the color manufacturer and to us.

4.2 Biocompatibility (cytotoxicity) sterile packed products:

According to DIN EN ISO 10993-5, 12 the identification color does not set free any substances in cytotoxic concentation; there is no risk for the patient.

5. Applicable standards

- EN 71-3 Safety regarding toys, migration of certain elements
- DIN EN ISO 10993 Part 5: In vitro cytotoxity tests
  Part 12: Preparation of samples and reference materials

Datum/ Date 09.08.18	**Datum/** Date 09.08.18
Erstellt/ Prepared U. Hu	**Freigegeben/** Released