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SG Resin Instructions for Use (IFU) Find out how to safely and effectively use SG resin for your projects.

SG Resin Instructions for Use 1- Indented Use

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1- Indented Use

Surgical guide resin is monomer based a dental application resin developed for compatibility

Power Resins SG Resin is biocompatible (Class I) and CE certified.

devices.

2- Contraindications

surgical guides only. Any deviation from this instruction for use may adversely affect the

chemical and physical quality of the 3D product. In case of allergic reaction, please consult a

with LCD and DLP 3D-printers. Resin compatible with either 385 and 405nm 3D printer

Power Resins Surgical Guide Resin should not be used for any purpose other than dental

3- Safety Instructions

To ensure optimum further processing, please carefully read the information contained in the instructions for use. Misuse and failure to observe information can have a detrimental effect on quality. Nitrile gloves, goggles and a jacket should be worn as a means of protection when working with resin. The safety instructions and precautions outlined in the Surgical Guide operating instructions

4- Side Effects and Precautions In liquid form;

Sensitization or irritation is possible from contact with the skin. Repeated and/or extended skin contact can cause inflammations.

Eye contact High air concentrations can lead to eye irritations. If on eye wash with plenty of water.

Skin contact

applications.

Remove your contact lenses. If skin irritation or rash occurs: Get medical advice/attention

Color Transparent Viscosity 520 - 540 mPa.s

Hazardous Component: Phenylbis (2,4,6-trimethyl benzoyl)-phosphine oxide

1.1 g/cm3

Warning!

Density

H412 - Harmful to aquatic life with long-lasting effects. Safety instructions as per MSDS

• Wear protective gloves/eye protection

H361f - Suspected of damaging fertility.

- Dispose of contents/container as per local and national regulations
- <u>Delivery</u> Power Resins Denture Resin is supplied in light-tight, sealed bottles.

• If skin irritation/rash occurs: get medical advice/attention

• If eye irritation persists: get medical advice/attention

 Color Shipping documents and designation

Please check the following points on receipt of the goods:

6- Processing

Storage Conditions

Cleaning: a. Allow the model to clean for 3 minutes in compartment 1 of the MEDIFIVE washer containing ethanol solution (96%). After the process is complete, dry the model with a spray

printed objects.

Finishing:

air gun.

b. Allow the model washed and dried in compartment 1 to be cleaned in compartment 2 of the MEDIFIVE washer containing ethanol solution (96%) for 3 minutes. After the process is complete, dry the model with a spray air gun.

Power Resins Sg Resin is designed to work with all LCD and DLP 3D printers.

Caution: Post-curing outside of the recommended settings can lead to suboptimal mechanical and biocompatibility properties. Post-cure only in accordance with official recommendations from Power Resins for the best possible results.

are given in the table below.

8- Supporting Documents

MSDS of Power Resins SG Resin

7- Post-Curing

Wavelength 405 nm Flexural strength >100 MPa Flexural modulus 2800 MPa Shore Hardness D >80

The mechanical values to be obtained when the recommended post processes are applied

10993. 10- Label Symbols Manufacturer CE symbol of UDEM notified

body

Medical device

(€

MD

medical doctor.

and safety data sheet will apply to the removal of liquid resin and uncured resin from the model.

A dust mask should also be worn due to possible dust formation in post-press processes.

Surgical Guide resin cannot be used as auxiliary equipment in food and beverage

Inhalation Irritates the respiratory organs. High concentrations can lead to irritation of the respiratory passages, dizziness, headaches, and loss of consciousness.

Swallowing Low oral toxicity; ingestion can, however, lead to irritation of the gastrointestinal tract.

Power Resins Dental Model LT Resin

In liquid form; H317 - May cause allergic skin reaction.

Call a doctor/physician if you feel unwell

Avoid inhaling aerosol

- 5- General Information on Handling
- Integrity of the bottle/pack Quantity
- Keep the resin bottle range of 22-27 ^OC / 71-80 ^OF. The minimum shelf life date printed on the product must be observed. Store this product in tightly closed containers in a properly vented storage area under dry conditions away from sparks and open flames. Avoid the

additional information, please see Material Safety Data Sheet.

material to direct sunlight. Shelf life is 1 year from production. Perfect processing cannot be

guaranteed if materials which have exceeded their minimum shelf life date are used. For

Do not exceed the 6-minute total cleaning procedure as this may cause deterioration of

Hint: Resin residues can also be removed using a brush moistened with ethanol (96%).

Surgical Guide Workflow

Processing

The completely cleaned print objects must be post-cured to attain the required material properties and biocompatibility.

30 minutes in a MEDIFIVE curing room at 3rd-degree light intensity

Recommended post-curing 2x2000 flash on Otoflash G-171 curing device

9- Biocompatibility Power Resins SG Resin is non-cytotoxic, not a sensitizer, non-irritating, and complies with ISO

107

REF

manufacturer

Manufacturer date 107=Country of

	Reference code		Caution
LOT	Batch code	[]i	Consult electronic instructions for use
	Expiration date	2	Do not reuse
COLOR	Color of the product	NON STERILE	Non-sterile
*	Keep away from sunlight	*	Keep dry
% 65%	Maximum humidity 65%	5°C - 25°C	Store between 5-25°C
sg resi ifu	user guide		

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