



Dirección: Cra. 53 N° 50-09
Guarne (Antioquia) COLOMBIA.
Teléfonos: (57-60-4) 550 00 00 - 403 87 60
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SAFETY DATA SHEET
ZAFIRA® LIGHT CURING COMPOSITES
DPDDFS-136

1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product Identification

- Trade Name: Light-curing resins.
- Chemical Name: Not applicable.
- Synonyms: Composite resins, light-curing dental resins.
- CAS number: Not applicable.
- EC number: Not applicable.

1.2. Product codes (for the European Union only):

Brand	Catalog number
Not applicable.	Not applicable.

1.3. Uses and restrictions:

- Recommended uses: This product is intended for the dental restoration treatments.
- Usage restrictions: It should only be used for dental purposes and by dental professionals.

1.4. company information:

- Name: New Stetic S.A.
- Address: Carrera 53 No. 50-09, km 22 autopista Medellín-Bogotá, Guarne-Antioquia, Colombia.
- Postal code: 054050.
- Phone / fax: (57 604) 5500000 / 5513134.
- Email of the person responsible for the SDS: acuadros@newstetic.com.
- National contact: gjgomez@newstetic.com.

1.5. Emergency contact:

- Phone and email in Colombia: (57 604) 5500000, ext. 1322, sst@newstetic.com (business hours).
- Phone and email in the European Union: +34659623335 (Spain), info@ranelaghcapital.com (business hours).

2. HAZARD IDENTIFICATION

2.1. Substance Classification:

Health	Environment	Physical
Skin sensitization Category 2	Not dangerous	Not dangerous

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2.2. Labeling and caution phrases:

Symbol	Warning word	Hazard indication
	Danger	It may cause an allergic skin reaction.

2.3. Other hazards that do not lead to a classification: May cause skin sensitivity. It should be handled with gloves.

2.4. Appearance in case of emergency: None.

2.5. Potential adverse health effects: Low oral toxicity may cause skin irritation, no evidence of adverse effects.

3. COMPOSITION INFORMATION

3.1. Hazardous components

Name	Concentration (%)	CAS Number	CE Number
Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide	Trade secret	75980-60-8	Not applicable.

3.2. Non-hazardous components:

name	Concentration (%)	CAS Number
Bis-GMA (Bisphenol A- glycidyl methacrylated) / TEGDMA (triethylene glycol dimethacrylate) (80-20% w/w)	Trade secret	1565-94-2 / 109-16-0
Bisphenol A-dimethacrylate ethoxylated	Trade secret	41637-38-1
UDMA (Urethane Dimethacrylate)	Trade secret	72869-86-4
Silicon dioxide	Trade secret	7631-86-9
γ-MPS	Trade secret	2530-85-0
barium fluoroaluminosilicate	Trade secret	65997-17-3
barium boroaluminosilicate	Trade secret	65997-17-3
Camphorquinone	Trade secret	10373-78-1
Ethyl 4-dimethylaminobenzoate	Trade secret	10287-53-3

4. FIRST AID MEASURES

4.1. Emergency and first aid procedures in case of:

- Inhalation: Remove the patient from exposure and take them to a well-ventilated area. Seek medical attention if necessary.
- Eye contact: Immediately flush eyes with plenty of water, keeping them open. If symptoms persist, seek medical attention.

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- Skin contact: Wash immediately with soap and water. Remove contaminated clothing and wash for reuse. If severe symptoms develop, seek medical attention.
- Ingestion: Seek medical attention.

4.2. Most important symptoms/effects (acute and/or delayed): May cause eye and skin irritation.

4.3. Antidote: Not applicable.

4.4. Information for physicians: Not applicable.

5. FIRE MEASURES

5.1. Means of extinction:

- Suitable extinguishing media: Use a fire extinguishing medium suitable for ordinary combustibles, such as water or fire foam.
- Inadequate media of extinguishing: Not available.

5.2. Specific hazards arising from the product: Non-flammable material.

5.3. Instructions for firefighting personnel:

- Firefighting Instructions: Special protective equipment must be used. If remaining in the risk area, self-contained breathing apparatus and appropriate protective clothing must be used.
- Firefighter protection: Special protective equipment must be used, including helmet, self-contained breathing apparatus, and appropriate protective clothing.
- Protective equipment and protection for firefighters: Special protective equipment, helmet, self-contained breathing apparatus, face mask, armbands, and protective cover for exposure to high temperatures must be used.

6. MEASURES IN CASE OF ACCIDENTAL SPILL

6.1. Techniques, procedures, materials, and protective equipment in case of:

- Small spills: Can be collected manually, using gloves, and placed in a closed container.
- Large spills: Collect as much of the spilled material as possible and place it in a closed container suitable for transport.

6.2. Environmental precautions: Not applicable.

6.3. Other considerations: None.

7. HANDLING AND STORAGE

7.1. Handling: Handle the resin using gloves to avoid contamination. During handling, do not leave the product exposed to light for extended periods to prevent polymerization.

7.2. Storage: Store the product in a clean, dry place, protected from light and in its original packaging. Avoid

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excessive heat and store at room temperature (5 °C/41 °F – 30 °C/86 °F).

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- 8.1. Conditions for controlling exposure: No specific controls are required.
- 8.2. Engineering controls: Ensure ventilation in the work area.
- 8.3. Personal protective equipment: Use nitrile or latex gloves for handling.
- 8.4. Exposure parameters: Not applicable.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance: Paste.
- Odor: Slight monomer odor.
- Odor threshold: Not applicable.
- Physical state: Solid.
- pH: Not applicable.
- Freezing or melting point: Not applicable.
- Evaporation rate: Not applicable.
- Initial boiling point and range: Not applicable.
- Flash point: Not applicable.
- Evaporation rate: Not applicable.
- Flammability (solid gas): Not determined.
- Upper/lower flammability or explosion limit: Not determined.
- Vapor pressure: Not applicable.
- Vapor density: Not applicable.
- Density: 2.1 g/cm³.
- Specific gravity or relative density: 2.1 (Standard reference Water = 1 g/cm³).
- Solubility: Insoluble in water.
- n-octanol/water partition coefficient: Not applicable.
- Auto-ignition temperature: Not determined.
- Decomposition temperature: Not available.
- Viscosity: Approximately 300,000 centipoises.
- Other: None.

10. STABILITY AND REACTIVITY

- 10.1. Chemical stability: Stable under normal storage conditions.
- 10.2. Possibility of hazardous reactions: None.
- 10.3. Conditions to avoid: Direct light and heat sources.
- 10.4. Incompatibility with other materials: None.
- 10.5. Hazardous decomposition products: None.
- 10.6. Hazardous polymerization: None.

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11. TOXICOLOGICAL INFORMATION

- 11.1. Possible routes of exposure: Dermal, ocular, digestive and respiratory.
11.2. Acute Toxicity: Dermal: Direct skin contact when using the product does not pose a serious health risk. Some allergic reactions may be present as redness, itching, swelling, and blistering. Eye Contact: Direct eye contact when using the product does not pose a serious health risk. Ingestion: May be harmful if swallowed. Gastrointestinal Irritation: Symptoms may include abdominal pain, stomach upset, nausea, vomiting, and diarrhea. Inhalation: This product may have a characteristic odor, but no inhalation hazards are known. There are no serious health risks.
11.3. Chronic toxicity: There are no serious health implications.
11.4. Other information: None.

12. ECOLOGICAL INFORMATION

- 12.1. Ecotoxicity: Not available.
12.2. Persistence and degradability: Not available.
12.3. Bioaccumulation potential: Does not accumulate in organisms.
12.4. Mobility on the ground: Not available.
12.5. Endocrine-altering properties: Not available.
12.6. Other adverse effects: No adverse effects were reported.

13. DISPOSITION CONSIDERATIONS

- 13.1. Waste disposal and treatment methods: The container can be recycled after use as long as it does not contain product residue. Do not dispose of in bodies of water. Observe applicable local regulations.

WARNING: Local laws, regulations, and restrictions may change or be reinterpreted and differ from national ones, so considerations for the disposal of the material and its packaging may vary from those stated in this document.

14. TRANSPORT INFORMATION

- 14.1. UN Number: Not applicable.
14.2. Official United Nations transport name: Not applicable.
14.3. Transport-related hazard class: Not applicable.
14.4. Packing group: Not applicable.
14.5. Environmental hazards: Not applicable.
14.6. Special precautions for the user: Not applicable.
14.7. Bulk maritime transport: Not applicable.
14.8. IATA classification: Non-hazardous material.

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15. REGULATORY INFORMATION

15.1. Specific provisions on safety, health and the environment:

- The product is subject to current regulations on the classification, labeling, and hazard communication of substances and mixtures applicable in the countries where it is marketed.
- The product has been evaluated according to applicable regulatory criteria and is not classified as a dangerous good for transport.
- The product does not contain substances subject to authorization or restriction in concentrations that limit its use for its intended purpose.
- The product is intended for professional dental use and must be used in accordance with the manufacturer's instructions, good industrial safety and hygiene practices, and national and local legislation on safety, occupational health, and environmental protection.
- The management of product and packaging waste must be carried out in accordance with current environmental regulations in each jurisdiction.

15.2. Chemical safety assessment: A chemical safety assessment has not been carried out for the mixture.

16. OTHER IMPORTANT INFORMATION

Warning: The information contained in this document is based on our current knowledge and is given in good faith, but no express or implied guarantee is made, nor is any responsibility assumed for the improper handling of the product.

This document was prepared based on the following references:

- Globally Harmonized System of Classification and Labelling of Chemicals – GHS (Globally Harmonized System of Classification and Labelling of Chemical Products).
- Colombian technical standard NTC 4435:2010. Transport of Goods. Safety Data Sheets for Materials. Preparation.

Abbreviations:

- CAS: Chemical Abstracts Service.
- CE: European Conformity.
- SDS: Safety Data Sheet.
- UN: United Nations.
- IATA: International Air Transport Association.
- GQSP: Global Quality and Standards Programme.

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