**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- **1.1 Product identifier**
  - Trade name: SR Chromasit Opaquer, Intensive Opaquer

- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
  - No further relevant information available.

- **1.3 Details of the supplier of the safety data sheet**
  - Manufacturer/Supplier:
    - Ivoclar Vivadent AG
    - Bendererstrasse 2
    - FL-9494 Schaan
    - PRINCIPALITY OF LIECHTENSTEIN
  - Tel: +423 235 35 35
  - Fax: +423 235 33 60
  - **Further information obtainable from:**
    - Regulatory Affairs
    - sds@ivoclarvivadent.com
  - **1.4 Emergency telephone number:** +423 / 235 33 13 (Ivoclar Vivadent AG, FL-9494 Schaan, Liechtenstein)

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
  - Classification according to Regulation (EC) No 1272/2008
    - Skin Sens. 1 H317 May cause an allergic skin reaction.

- **2.2 Label elements**
  - Labelling according to Regulation (EC) No 1272/2008
    - The product is classified and labelled according to the CLP regulation.

- **Hazard pictograms**
  - GHS07

- **Signal word** Warning

- **Hazard-determining components of labelling:**
  - dibenzoyl peroxide

- **Hazard statements**
  - H317 May cause an allergic skin reaction.

- **Precautionary statements**
  - P280 Wear protective gloves/protective clothing/eye protection/face protection.
  - P363 Wash contaminated clothing before reuse.

- **2.3 Other hazards**
  - Dust generation
    - Particular danger of slipping on leaked/spilled product.

- **Results of PBT and vPvB assessment**
  - PBT: Not applicable.
  - vPvB: Not applicable.

(Contd. on page 2)
SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

- CAS: 7727-43-7  EINECS: 231-784-4  barium sulphate, natural
  substance with a Community workplace exposure limit 25-50%

- CAS: 1344-28-1  EINECS: 215-691-6  aluminium oxide
  substance with a Community workplace exposure limit 25-50%

- CAS: 13463-67-7  EINECS: 236-675-5  titanium dioxide
  substance with a Community workplace exposure limit 1-<2.5%

- CAS: 94-36-0  EINECS: 202-327-6  dibenzoyl peroxide
  Org. Perox. B, H241; Eye Irrit. 2, H319; Skin Sens. 1, H317
  substance with a Community workplace exposure limit 1-<2.5%

Additional information: For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- After inhalation:
  Supply fresh air; consult doctor in case of complaints.
  In case of unconsciousness place patient stably in side position for transportation.

- After skin contact:
  Rinse with water.
  If skin irritation continues, consult a doctor.

- After eye contact:
  Rinse opened eye for several minutes under running water.
  If symptoms persist, consult a doctor.

- After swallowing:
  Rinse out mouth and then drink plenty of water.
  If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment: No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid formation of dust.
Particular danger of slipping on leaked/spilled product.

6.2 Environmental precautions:
No special measures required.

6.3 Methods and material for containment and cleaning up:
Pick up mechanically.

6.4 Reference to other sections

See Section 7 for information on safe handling.
Trade name: SR Chromasit Opaquer, Intensive Opaquer

See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
  Only adequately trained personnel should handle this product. For use in dentistry only.

- Information about fire - and explosion protection: No special measures required.

- 7.2 Conditions for safe storage, including any incompatibilities
  - Storage:
    - Requirements to be met by storerooms and receptacles: Store only in the original receptacle.
    - Information about storage in one common storage facility: Not required.
    - Further information about storage conditions: Protect from heat and direct sunlight.

- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.

- 8.1 Control parameters
  - Ingredients with limit values that require monitoring at the workplace:
    - 7727-43-7 barium sulphate, natural
      - WEL Long-term value: 10* 4** mg/m³
        - *inhalable dust **respirable dust
    - 1344-28-1 aluminium oxide
      - WEL Long-term value: 10* 4** mg/m³
        - *inhalable dust **respirable dust
    - 13463-67-7 titanium dioxide
      - WEL Long-term value: 10* 4** mg/m³
        - *total inhalable **respirable
    - 94-36-0 dibenzoyl peroxide
      - WEL Long-term value: 5 mg/m³
  - Additional information: The lists valid during the making were used as basis.

- 8.2 Exposure controls
  - Personal protective equipment:
    - General protective and hygienic measures:
      - Usual hygienic measures for dental practice.
      - Immediately remove all soiled and contaminated clothing
      - Wash hands before breaks and at the end of work.
      - Avoid contact with the skin.
  - Respiratory protection:
    - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
  - Protection of hands:
    - Protective gloves
      - After use of gloves apply skin-cleaning agents and skin cosmetics.
· **Material of gloves**
  Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Penetration time of glove material**
  The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Safety glasses

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**SECTION 9: Physical and chemical properties**

<table>
<thead>
<tr>
<th>9.1 Information on basic physical and chemical properties</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General Information</strong></td>
</tr>
<tr>
<td><strong>Appearance:</strong></td>
</tr>
<tr>
<td><strong>Form:</strong> Powder</td>
</tr>
<tr>
<td><strong>Colour:</strong> According to product specification</td>
</tr>
<tr>
<td><strong>Odour:</strong> Odourless</td>
</tr>
<tr>
<td><strong>Odour threshold:</strong> Not determined.</td>
</tr>
<tr>
<td><strong>pH-value:</strong> Not applicable.</td>
</tr>
<tr>
<td><strong>Change in condition</strong></td>
</tr>
<tr>
<td><strong>Melting point/Melting range:</strong> Undetermined.</td>
</tr>
<tr>
<td><strong>Boiling point/Boiling range:</strong> Undetermined.</td>
</tr>
<tr>
<td><strong>Flash point:</strong> Not applicable.</td>
</tr>
<tr>
<td><strong>Flammability (solid, gaseous):</strong> Not determined.</td>
</tr>
<tr>
<td><strong>Self-igniting:</strong> Product is not self-igniting.</td>
</tr>
<tr>
<td><strong>Danger of explosion:</strong> Product does not present an explosion hazard.</td>
</tr>
<tr>
<td><strong>Explosion limits:</strong></td>
</tr>
<tr>
<td><strong>Lower:</strong> Not determined.</td>
</tr>
<tr>
<td><strong>Upper:</strong> Not determined.</td>
</tr>
<tr>
<td><strong>Vapour pressure:</strong> Not applicable.</td>
</tr>
<tr>
<td><strong>Density:</strong> Not determined.</td>
</tr>
<tr>
<td><strong>Relative density:</strong> Not determined.</td>
</tr>
<tr>
<td><strong>Vapour density:</strong> Not applicable.</td>
</tr>
<tr>
<td><strong>Evaporation rate:</strong> Not applicable.</td>
</tr>
<tr>
<td><strong>Solubility in / Miscibility with water:</strong> Nearly insoluble.</td>
</tr>
<tr>
<td><strong>Partition coefficient (n-octanol/water):</strong> Not determined.</td>
</tr>
<tr>
<td><strong>Viscosity:</strong></td>
</tr>
<tr>
<td><strong>Dynamic:</strong> Not applicable.</td>
</tr>
<tr>
<td><strong>Kinematic:</strong> Not applicable.</td>
</tr>
</tbody>
</table>

Section continues...
SECTION 11: Toxicological information

11.1 Information on toxicological effects
- Acute toxicity:
  - Primary irritant effect:
    - on the skin: No irritant effect.
    - on the eye: No irritating effect.
  - Sensitisation: Sensitisation possible through skin contact.
- Additional toxicological information: No further relevant information available.

SECTION 12: Ecological information

12.1 Toxicity
- Aquatic toxicity: No further relevant information available.
12.2 Persistence and degradability: No further relevant information available.
12.3 Bioaccumulative potential: No further relevant information available.
12.4 Mobility in soil: No further relevant information available.
- Additional ecological information:
  - General notes: Generally not hazardous for water.
12.5 Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
12.6 Other adverse effects: No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
- Recommendation:
  Take to an approved landfill or a waste incineration plant, under conditions approved by the local authority.
- Uncleaned packaging:
  - Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

- UN-Number
  - ADR, ADN, IMDG, IATA: Void
- UN proper shipping name
  - ADR, ADN, IMDG, IATA: Void
- Transport hazard class(es)
  - ADR, ADN, IMDG, IATA: Void
  - Class: Void
- Packing group
  - ADR, IMDG, IATA: Void
Trade name: SR Chromasit Opaquer, Intensive Opaquer

(Contd. of page 5)

14.5 Environmental hazards:
- Marine pollutant: No

14.6 Special precautions for user: Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.

Transport/Additional information: Product is not classified as a dangerous good for transport (ADR, IMDG, IATA).

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases
  H241 Heating may cause a fire or explosion.
  H317 May cause an allergic skin reaction.
  H319 Causes serious eye irritation.

- Abbreviations and acronyms:
  ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  IMDG: International Maritime Code for Dangerous Goods
  IATA: International Air Transport Association
  GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  EINECS: European Inventory of Existing Commercial Chemical Substances
  ELINCS: European List of Notified Chemical Substances
  CAS: Chemical Abstracts Service (division of the American Chemical Society)
  Org. Perox. B: Organic Peroxides, Type B
  Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
  Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

* Data compared to the previous version altered.