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

1.1 Product identifier

Trade name: SR Chromasit Fluid

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the mixture Auxiliary for dental technology

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

Flam. Liq. 2 H225 Highly flammable liquid and vapour.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

2.2 Label elements

The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS02 GHS07

Signal word Danger

Hazard-determining components of labelling:
pentan-3-one
dibenzyol peroxide

Hazard statements

H225 Highly flammable liquid and vapour.
H317 May cause an allergic skin reaction.
H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P233 Keep container tightly closed.
P312 Call a POISON CENTER/doctor if you feel unwell.
Trade name: SR Chromasit Fluid

- Additional information:
  EUH066 Repeated exposure may cause skin dryness or cracking.
- 2.3 Other hazards
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Chemical characterisation: Mixtures
  - Description: Mixture of substances listed below with nonhazardous additions.
  - Dangerous components:
    - CAS: 96-22-0
      - pentan-3-one
      - Flam. Liq. 2, H225; STOT SE 3, H335-H336
      - 50-100%
    - CAS: 94-36-0
      - dibenzoyl peroxide
      - Org. Perox. B, H241; Eye Irrit. 2, H319; Skin Sens. 1, H317
      - 3-<10%
    - CAS: 84-61-7
      - dicyclohexyl phthalate
      - substance with a Community workplace exposure limit
      - 3-<10%
  - 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 and to be sure call for a doctor.
    - In case of unconsciousness place patient stably in side position for transportation.
  - After skin contact:
    - Immediately rinse with water.
  - After eye contact:
    - Rinse opened eye for several minutes under running water. Then consult a doctor.
  - After swallowing:
    - 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.
    - For safety reasons unsuitable extinguishing agents: Water with full jet
  - 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.
  - Additional information Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
  - Wear protective equipment. Keep unprotected persons away.
- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:
  - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling**
  Ensure good ventilation/exhaustion at the workplace.
  Prevent formation of aerosols.

- **Information about fire - and explosion protection:**
  Keep ignition sources away - Do not smoke.
  Protect against electrostatic charges.

- **7.2 Conditions for safe storage, including any incompatibilities**

  **Storage:**
  - Requirements to be met by storerooms and receptacles: Store in a cool location.
  - Information about storage in one common storage facility: Not required.
  - Further information about storage conditions:
    - Keep container tightly sealed.
    - Store in cool, dry conditions in well sealed receptacles.

- **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:**

<table>
<thead>
<tr>
<th>CAS</th>
<th>Limit Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>96-22-0</td>
<td>Short-term value: 895 mg/m³, 250 ppm</td>
</tr>
<tr>
<td></td>
<td>Long-term value: 716 mg/m³, 200 ppm</td>
</tr>
<tr>
<td>84-61-7</td>
<td>Long-term value: 5 mg/m³</td>
</tr>
</tbody>
</table>

- **Additional information:** The lists valid during the making were used as basis.

- **8.2 Exposure controls**

  **Personal protective equipment:**

  **General protective and hygienic measures:**
  - Keep away from foodstuffs, beverages and feed.
  - Immediately remove all soiled and contaminated clothing.
  - Wash hands before breaks and at the end of work.
  - Do not inhale gases / fumes / aerosols.
  - Usual hygienic measures for dental practice.

  **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.
40.1.5 · Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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

· Eye protection:

Tightly sealed goggles

---

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
- General Information
- Appearance:
  Form: Fluid
  Colour: Colourless
  Odour: Like ketone
  Odour threshold: Not determined.
- pH-value: Not determined.
- Change in condition
  Melting point/Melting range: Undetermined.
  Boiling point/Boiling range: 101 °C
- Flash point: 12 °C
- Ignition temperature: 445 °C
- Self-igniting: Product is not self-igniting.
- Danger of explosion: Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.
- Explosion limits: Lower: 1.6 Vol %
  Upper: Not determined.
- Vapour pressure at 20 °C: 16 hPa
- Density: Not determined.
- Relative density Not determined.
Trade name: SR Chromasit Fluid

- Vapour density: Not determined.
- Evaporation rate: Not determined.
- Solubility in / Miscibility with water: Partly miscible.
- Partition coefficient (n-octanol/water): Not determined.
- Viscosity:
  - Dynamic: Not determined.
  - Kinematic: Not determined.
- 9.2 Other information: No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity: No further relevant information available.
- 10.2 Chemical stability: Stable under normal handling and storage conditions.
- 10.3 Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.4 Conditions to avoid: No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: None under normal conditions of storage and use.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
  - Acute toxicity:
    - LD/LC50 values relevant for classification:
      - 96-22-0 pentan-3-one
        - Oral LD50: 2140 mg/kg (rat)
        - Dermal LD50: 20000 mg/kg (rabbit)
  - 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:
    - Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
    - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
  - 12.5 Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.
**Safety data sheet**

according to 1907/2006/EC, Article 31

**Trade name:** SR Chromasit Fluid

(Contd. of page 5)

**12.6 Other adverse effects** No further relevant information available.

---

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**
- **Recommendation:**
  Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
  - **Recommendation:** Disposal must be made according to official regulations.

---

**SECTION 14: Transport information**

**14.1 UN-Number**
- ADR, IMDG, IATA 1156

**14.2 UN proper shipping name**
- ADR 1156 DIETHYL KETONE
- IMDG, IATA DIETHYL KETONE

**14.3 Transport hazard class(es)**
- **ADR**
  - Class 3 (F1) Flammable liquids.
  - Label 3

- **IMDG, IATA**
  - Class 3 Flammable liquids.
  - Label 3

**14.4 Packing group**
- ADR, IMDG, IATA II

**14.5 Environmental hazards:**
- **Marine pollutant:** No

**14.6 Special precautions for user**
- **Warning:** Flammable liquids.
- **Danger code (Kemler):** 33
- **EMS Number:** F-E,S-E

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
- Not applicable.

**Transport/Additional information:**
- **ADR**
  - Limited quantities (LQ) LQ4
  - Transport category 2
  - Tunnel restriction code D/E
SECTION 15: Regulatory information

• 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
  No further relevant information available.

• 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
  H225 Highly flammable liquid and vapour.
  H241 Heating may cause a fire or explosion.
  H317 May cause an allergic skin reaction.
  H319 Causes serious eye irritation.
  H335 May cause respiratory irritation.
  H336 May cause drowsiness or dizziness.

• 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)
  LC50: Lethal concentration, 50 percent
  LD50: Lethal dose, 50 percent
  Flam. Liq. 2: Flammable liquids, Hazard Category 2
  Org. Perox. B: Organic Peroxides, Type B
  Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
  Skin Sens. 1: Sensitisisation - Skin, Hazard Category 1
  STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

• * Data compared to the previous version altered.