1 Identification

· Product identifier
  · Trade name: **SR Ivocap High Impact Polymer**

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

· Application of the substance / the mixture
  · Denture base material

· Details of the supplier of the safety data sheet
  · Manufacturer/Supplier:
    Ivoclar Vivadent Inc.
    175 Pineview Drive, Amherst, N.Y. 14228
    USA
    Tel. +1 800 533 6825
    Fax +1 716 691 2285

  · Ivoclar Vivadent Inc.
    1-6600 Dixie Road
    Mississauga, Ontario
    L5T 2Y2
    Canada
    Phone: +1 905 670 8499
    Fax: +1 905 670 3102

· Information department: Quality Assurance / Regulatory Affairs

· Emergency telephone number:
  · 24 Hour Emergency Assistance:
    Emergency-Call USA - Infotrac: 1-800-535-5053
    Emergency-Call Canada - Canutec: 1-613-996-6666

  · General SDS Assistance:
    US: 1-800-533-6825
    Canada: 1-800-263-8182

2 Hazard(s) identification

· Classification of the substance or mixture
  · Skin Sens. 1 H317 May cause an allergic skin reaction.

· Label elements
  · GHS label elements
    · The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms

  ![GHS07]

· Signal word Warning

· Hazard-determining components of labeling:
  · dibenzoyl peroxide

· Hazard statements
  · May cause an allergic skin reaction.

· Precautionary statements
  · Avoid breathing dust/fume/gas/mist/vapors/spray
  · Do not get in eyes, on skin, or on clothing.

(Contd. on page 2)
Safety Data Sheet
acc. to OSHA HCS

Printing date 05/21/2015  Reviewed on 03/12/2015

Version number 4

Trade name: SR Ivocap High Impact Polymer

Wear protective gloves/protective clothing/eye protection/face protection.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system:
NFPA ratings (scale 0 - 4)

- Health = 0
- Fire = 1
- Reactivity = 0

HMIS-ratings (scale 0 - 4)

- Health = 1
- Fire = 1
- Reactivity = 0

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

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

3 Composition/information on ingredients

Chemical characterization: Mixtures
Description: Mixture of the substances listed below with nonhazardous additions.

Dangerous components:
94-36-0 dibenzoyl peroxide 0.1-<1%

4 First-aid measures

Description of first aid measures
General information: No special measures required.

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:
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.

Information for doctor:
Most important symptoms and effects, both acute and delayed No further relevant information available.
Indication of any immediate medical attention and special treatment needed
No further relevant information available.
5 Fire-fighting measures

· Extinguishing media
· Suitable extinguishing agents:
  CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· Special hazards arising from the substance or mixture: No further relevant information available.
· Advice for firefighters
· Protective equipment: No special measures required.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures
  Avoid formation of dust.
  Particular danger of slipping on leaked/spilled product.
· Environmental precautions:
  Do not allow product to reach sewage system or any water course.
  Do not allow to enter sewers/surface or ground water.
· Methods and material for containment and cleaning up: Pick up mechanically.
· Reference to other sections
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

7 Handling and storage

· Handling:
· Precautions for safe handling
  Only adequately trained personnel should handle this product.
  For use in dentistry only.
· Information about protection against explosions and fires: No special measures required.
· 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.
· Specific end use(s): No further relevant information available.

8 Exposure controls/personal protection

· Additional information about design of technical systems: No further data; see item 7.
· Control parameters
· Components with limit values that require monitoring at the workplace:
  94-36-0 dibenzoyl peroxide
  PEL Long-term value: 5 mg/m³
  REL Long-term value: 5 mg/m³
  TLV Long-term value: 5 mg/m³
· Additional information: The lists that were valid during the creation were used as basis.
40.1.5 · Exposure controls
   · Personal protective equipment:
     · General protective and hygienic measures:
       Usual hygienic measures for dental practice.
       Keep away from foodstuffs, beverages and feed.
       Wash hands before breaks and at the end of work.
       Avoid contact with the skin.
     · Breathing equipment: Use respiratory protective device against the effects of dust.
     · Protection of hands:
       After use of gloves apply skin-cleaning agents and skin cosmetics.
       · Material of gloves
         Butyl rubber, BR
         Chloroprene rubber, CR
         Natural rubber, NR
         Nitrile rubber, NBR
         Fluorocarbon rubber (Viton)
       Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
       · 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: Safety glasses

9 Physical and chemical properties

   · Information on basic physical and chemical properties
     · General Information
       · Appearance:
         Form: Powder
         Color: According to product specification
         Odor: Characteristic
         Odour threshold: Not determined.
       · pH-value: Not applicable.
     · Change in condition
       Melting point/Melting range: Undetermined.
       Boiling point/Boiling range: Undetermined.
     · Flash point: Not applicable.
     · Flammability (solid, gaseous): Not determined.
     · Auto igniting: Product is not selfigniting.
     · Danger of explosion: Product does not present an explosion hazard.
     · Explosion limits:
       Lower: Not determined.
       Upper: Not determined.
     · Vapor pressure: Not applicable.

(Contd. on page 5)
Trade name: SR Ivocap High Impact Polymer

- **Density**: Not determined.
- **Relative density**: Not determined.
- **Vapour density**: Not applicable.
- **Evaporation rate**: Not applicable.
- **Solubility in / Miscibility with Water**: Nearly insoluble.
- **Partition coefficient (n-octanol/water)**: Not determined.
- **Viscosity**:
  - Dynamic: Not applicable.
  - Kinematic: Not applicable.
- **Other information**: No further relevant information available.

### 10 Stability and reactivity

- **Reactivity**: No further relevant information available.
- **Chemical stability**: Stable under normal handling and storage conditions.
- **Thermal decomposition / conditions to be avoided**: No decomposition if used according to specifications.
- **Possibility of hazardous reactions**: No dangerous reactions known.
- **Conditions to avoid**: No further relevant information available.
- **Incompatible materials**: No further relevant information available.
- **Hazardous decomposition products**: None under normal conditions of storage and use.

### 11 Toxicological information

- **Information on toxicological effects**
  - **Acute toxicity**:
    - **Primary irritant effect**:
      - on the skin: No irritant effect.
      - on the eye: No irritating effect.
    - **Sensitization**: No sensitizing effects known.
  - **Additional toxicological information**: No further relevant information available.
- **Carcinogenic categories**
  - **IARC (International Agency for Research on Cancer)**
    9011-14-7 polymethylmethacrylate 3
    94-36-0 dibenzoyl peroxide 3
  - **NTP (National Toxicology Program)**
    None of the ingredients is listed.
  - **OSHA-Ca (Occupational Safety & Health Administration)**
    None of the ingredients is listed.

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity**: No further relevant information available.
- **Persistence and degradability**: No further relevant information available.
- **Behavior in environmental systems**:
- **Bioaccumulative potential**: No further relevant information available.
Trade name: SR Ivocap High Impact Polymer

- Mobility in soil: No further relevant information available.
- Additional ecological information:
  - General notes:
    Water hazard class 1 (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.
  - Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.
  - Other adverse effects: No further relevant information available.

13 Disposal considerations

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

14 Transport information

- UN-Number
  - DOT, ADR, ADN, IMDG, IATA: Void
- UN proper shipping name
  - DOT, ADR, ADN, IMDG, IATA: Void
- Transport hazard class(es)
  - DOT, ADR, ADN, IMDG, IATA: Void
  - Class: Void
- Packing group
  - DOT, ADR, IMDG, IATA: Void
- Environmental hazards:
  - Marine pollutant: No
- Special precautions for user: Not applicable.
- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.
- Transport/Additional information:
  - Product is not classified as a dangerous good for transport (ADR, IMDG, IATA).
- UN "Model Regulation": -

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
  - Sara
  - Section 355 (extremely hazardous substances):
    None of the ingredients is listed.
Section 313 (Specific toxic chemical listings):

- 94-36-0 dibenzoyl peroxide

TSCA (Toxic Substances Control Act):

- 9011-14-7 polymethylmethacrylate
- 94-36-0 dibenzoyl peroxide

Proposition 65

- Chemicals known to cause cancer:
  None of the ingredients is listed.

- Chemicals known to cause reproductive toxicity for females:
  None of the ingredients is listed.

- Chemicals known to cause reproductive toxicity for males:
  None of the ingredients is listed.

- Chemicals known to cause developmental toxicity:
  None of the ingredients is listed.

Carcinogenic categories

- EPA (Environmental Protection Agency)
  None of the ingredients is listed.

- TLV (Threshold Limit Value established by ACGIH)
  94-36-0 dibenzoyl peroxide A4

- NIOSH-Ca (National Institute for Occupational Safety and Health)
  None of the ingredients is listed.

GHS label elements

- The product is classified and labeled according to the Globally Harmonized System (GHS).
- Hazard pictograms

GHS07

Signal word Warning

- Hazard-determining components of labeling:
  dibenzoyl peroxide

- Hazard statements
  May cause an allergic skin reaction.

- Precautionary statements
  Avoid breathing dust/fume/gas/mist/vapors/spray
  Do not get in eyes, on skin, or on clothing.
  Wear protective gloves/protective clothing/eye protection/face protection.
  Dispose of contents/container in accordance with local/regional/national/international regulations.

National regulations:

- Other regulations, limitations and prohibitive regulations
  The product is a medical device according to the Directive 93/42/EEC.
  This product is classified as a medical device under US and Canadian regulations and has been reviewed by the US Food and Drug Administration and Health Canada.

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

- Date of preparation / last revision 05/21/2015 / 3
- 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
  - DOT: US Department of Transportation
  - IATA: International Air Transport Association
  - ACGIH: American Conference of Governmental Industrial Hygienists
  - 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)
  - NFPA: National Fire Protection Association (USA)
  - HMIS: Hazardous Materials Identification System (USA)
  - Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
- * Data compared to the previous version altered.