



## Safety Data Sheet

acc. to OSHA HCS

Printing date 01/18/2022

Reviewed on 01/18/2022

### 1 Identification

- **Product identifier**
- **Trade name:** BIODENTINE XP
- **Article number / formula:** 338S
- **EuPCS :**
- **Application of the substance / the mixture** Dental impression material
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
SEPTODONT.  
58 rue du Pont de Creteil  
94100 Saint Maur des Fosses  
France  
Téléphone: +33(0)149767000  
Fax: +33(0)148855401  
msds@septodont.com  
<http://www.septodont.com>
- **Emergency telephone number:**  
4/7 Worldwide Emergency Telephone Number for Hazardous Materials Incident, Spill, Leak, Fire, Exposure or Accident: CHEMTREC on +1 703-741-5970 / +1-800-424-9300

### 2 Hazard(s) identification

- **Classification of the substance or mixture**  
The product is not classified, according to the Globally Harmonized System (GHS).

- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

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

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### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture: consisting of the following components.

- **Dangerous components:**

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CAS: 10035-04-8 calcium chloride, dihydrate	10-25%
 Eye Irrit. 2A, H319	

- **SVHC -**
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### 4 First-aid measures

- **Description of first aid measures**
  - **After inhalation:** Supply fresh air; consult doctor in case of complaints.
  - **After skin contact:** Generally the product does not irritate the skin.
  - **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
  - **After swallowing:** 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

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, 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.
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### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:**  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **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.

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**· Protective Action Criteria for Chemicals****· PAC-1:**CAS: 10035-04-8 calcium chloride, dihydrate: 16 mg/m<sup>3</sup>**· PAC-2:**CAS: 10035-04-8 calcium chloride, dihydrate: 170 mg/m<sup>3</sup>**· PAC-3:**CAS: 10035-04-8 calcium chloride, dihydrate: 1,100 mg/m<sup>3</sup>

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**7 Handling and storage****· Handling:**

- Precautions for safe handling** No special precautions are necessary if used correctly.
- 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:** No special requirements.
  - Information about storage in one common storage facility:** Not required.
  - Further information about storage conditions:** Keep receptacle tightly sealed.
  - 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:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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

**· Exposure controls****· Personal protective equipment:**

- General protective and hygienic measures:** Avoid contact with the eyes.
- Breathing equipment:** Not required.
- Protection of hands:**



Protective gloves

- Material of gloves** Nitrile rubber, NBR

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**· Eye protection:**

Tightly sealed goggles

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### 9 Physical and chemical properties

**· Information on basic physical and chemical properties****· General Information****· Appearance:****Form:** Liquid**Color:** Colorless**· Odor:** Characteristic**· Odor threshold:** Not determined.**· pH-value:** Not determined.**· Change in condition****Melting point/Melting range:** Undetermined.**Boiling point/Boiling range:** Undetermined.**· Flash point:** Not applicable.**· Flammability (solid, gaseous):** Not applicable.**· Ignition temperature:** Not applicable.**· Decomposition temperature:** 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 at 20 °C (68 °F):** 23 hPa (17.3 mm Hg)**· Density:** Not determined.**· Relative density** Not determined.**· Vapor density** Not determined.**· Evaporation rate** Not determined.**· Solubility in / Miscibility with****Water:** Fully miscible.

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- **Partition coefficient (n-octanol/water):** Not determined.
  - **Viscosity:**
    - Dynamic:** Not determined.
    - Kinematic:** Not determined.
  - **Other information** No further relevant information available.
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### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
  - **Chemical stability**
  - **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:** No dangerous decomposition products known.
- 

### 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:**  
The product is not subject to classification according to internally approved calculation methods for preparations:
  - **Carcinogenic categories**
  - **IARC (International Agency for Research on Cancer)**

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None of the ingredients is listed.
  - **NTP (National Toxicology Program)**

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None of the ingredients is listed.
  - **OSHA-Ca (Occupational Safety & Health Administration)**

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None of the ingredients is listed.
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### 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.

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- **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.
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### 13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation:** Smaller quantities can be disposed of with household waste.
  - **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Recommended cleansing agent:** Water, if necessary with cleansing agents.
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### 14 Transport information

- **UN-Number**
  - **ADR, ADN, IMDG, IATA** Not classified as hazardous for transport
  - **UN proper shipping name**
  - **DOT, ADR, ADN, IMDG, IATA** Not classified as hazardous for transport
  - **Transport hazard class(es)**
  - **ADR, ADN, IMDG, IATA**
  - **Class** Not classified as hazardous for transport
  - **Packing group**
  - **DOT, ADR, IMDG, IATA** Not classified as hazardous for transport
  - **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.
  - **UN "Model Regulation":** Not classified as hazardous for transport
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### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No further relevant information available.
  - **Sara**
  - **Section 355 (extremely hazardous substances):**  
None of the ingredient is listed.
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**· Section 313 (Specific toxic chemical listings):**

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None of the ingredients is listed.

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**· TSCA (Toxic Substances Control Act):**

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CAS: 7732-18-5 water, distilled, conductivity or of similar purity: ACTIVE

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**· Hazardous Air Pollutants**

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None of the ingredients is listed.

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**· Proposition 65**

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**· Chemicals known to cause cancer:**

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None of the ingredients is listed.

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**· Chemicals known to cause reproductive toxicity for females:**

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None of the ingredients is listed.

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**· Chemicals known to cause reproductive toxicity for males:**

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None of the ingredients is listed.

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**· Chemicals known to cause developmental toxicity:**

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None of the ingredients is listed.

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**· Cancerogenity categories**

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**· EPA (Environmental Protection Agency)**

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None of the ingredients is listed.

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**· TLV (Threshold Limit Value)**

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None of the ingredients is listed.

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**· NIOSH-Ca (National Institute for Occupational Safety and Health)**

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None of the ingredients is listed.

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

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### 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.

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**· Relevant phrases**

H319 Causes serious eye irritation.

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**· Contact:**

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**· Date of preparation / last revision 01/18/2022 /-**

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**· Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international 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

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)

PBT: Persistent, Bioaccumulative and Toxic

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SVHC: Substances of Very High Concern  
vPvB: very Persistent and very Bioaccumulative  
NIOSH: National Institute for Occupational Safety  
OSHA: Occupational Safety & Health  
TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
REL: Recommended Exposure Limit  
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

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