

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

071389659

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

071389642

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

071389634 071395680



## 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.
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### 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.
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**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.
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### 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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