

**Safety data sheet**  
According to 1907/2006/EC, Article 31

Printing date 02.12.2017

Version number 1

Revision: 02.12.2017

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

· **1.1 Product identifier**

· Trade name: **SEPTOPACK**

· Article number / formula: 282S

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

· **Application of the substance / the preparation** : dental product

· **1.3 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

· **1.4 Emergency telephone number:**

France (INRS 24h/24) - Tel : +33 (0)1 45 42 59 59

Ireland - Tel : 00 353 1 8092568 - 00 353 1 8379964 (24h/24) EU Tel: 112

Belgique - Tel : 32 070/245 245

UK : +44 (0)-870-190-6777 (CARECHEM24)

**SECTION 2: Hazards identification**

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008 :**



GHS05

Eye Dam. 1      H318 Causes serious eye damage.



GHS09

Aquatic Acute 1      H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

· **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**



GHS05      GHS09

· **Signal word** Danger

· **Hazard-determining components of labelling:**

zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate)

(Contd. on page 2)

**Safety data sheet**  
According to 1907/2006/EC, Article 31

Printing date 02.12.2017

Version number 1

Revision: 02.12.2017

**Trade name: SEPTOPACK**

(Contd. of page 1)

**· Hazard statements**

H318 Causes serious eye damage.  
H410 Very toxic to aquatic life with long lasting effects.

**· Precautionary statements**

P264 Wash hands thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear eye protection / face protection.  
P305+P351+P338 **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**· 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: consisting of the following components.

**· Dangerous components:**

CAS: 1314-13-2 EINECS: 215-222-5 Index number: 030-013-00-7 RTECS: ZH 4810000 Reg.nr.: 01-2119463881-32	zinc oxide ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	25-50%
CAS: 7446-19-7 EINECS: 231-793-3 Index number: 030-006-00-9 RTECS: ZH 5300000 Reg.nr.: 01-2119474684-27-XXXX	zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate) ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302	5-10%

· **SVHC** No

· **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 excessive inhalation:** Provide fresh air; consult a doctor in case of medical 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 a 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.



## Safety data sheet

According to 1907/2006/EC, Article 31

Printing date 02.12.2017

Version number 1

Revision: 02.12.2017

**Trade name: SEPTOPACK**

(Contd. of page 2)

### SECTION 5: Firefighting measures

- **5.1 Suitable extinguishing agents:**  
CO<sub>2</sub>, 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 :** Not required.
- **6.2 Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow the product to enter sewers/ surface water or ground water.
- **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.  
See Section 8 for information on personal protective equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling :** No special precautions are necessary if used correctly.
- **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:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep away from moisture  
Keep container tightly sealed.
- **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 section 7.
- **8.1 Control parameters**

**Ingredients with limit values that require monitoring at the workplace:****CAS: 1314-13-2 zinc oxide (25-50%)**

MAK (Switzerland)	Short-term value: 3 a mg/m <sup>3</sup> Long-term value: 3 a mg/m <sup>3</sup> (Rauch)
-------------------	--

**CAS: 7446-19-7 zinc sulphate (hydrus) (mono-, hexa-and hepta hydrate) (5-10%)**

MAK (Switzerland)	Short-term value: 0.4a 4e mg/m <sup>3</sup> Long-term value: 0.1a 2e mg/m <sup>3</sup> SSc;als Zn
-------------------	---

(Contd. on page 4)

GB

**Safety data sheet**  
According to 1907/2006/EC, Article 31

Printing date 02.12.2017

Version number 1

Revision: 02.12.2017

**Trade name: SEPTOPACK**

(Contd. of page 3)

**CAS: 1309-37-1 diiron trioxide (<0.1%)**

<b>WEL (Great Britain)</b>	Short-term value: 10* mg/m <sup>3</sup> Long-term value: 5* 10** 4*** mg/m <sup>3</sup> *fume (as Fe), **total respirable, ***respirable
<b>MAK (Switzerland)</b>	Long-term value: 3 a mg/m <sup>3</sup>

**Additional information:**

The most current valid lists have been used as a basis for the production of this document.

**8.2 Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures:**

- Keep away from food, beverages and petfood.
- Immediately remove all soiled and contaminated clothing
- Wash hands before breaks and at the end of work.
- Avoid all contact with the eyes.
- Avoid contact with the eyes and skin.

**Respiratory protection:** Not required.

**Protection of hands:** Not required.

**Gloves material :** -

**Eye protection:**



Tightly sealed goggles

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**General Information**

**Appearance:**

<b>Form:</b>	Solid
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.

**pH-value:** Not applicable.

**Change in condition**

<b>Melting point/freezing point:</b>	Undetermined.
<b>Initial boiling point and boiling range:</b>	Undetermined.

**Flash point:** Not applicable.

**Flammability (solid, gas):** Not determined.

**Ignition temperature:** Not applicable.

**Decomposition temperature:** Not determined.

**Auto-ignition temperature:** Product is not self igniting.

**Explosive properties:** Product does not present an explosion hazard.

**Explosion limits:**

**Lower:** Not determined.

(Contd. on page 5)



**Safety data sheet**  
According to 1907/2006/EC, Article 31

Printing date 02.12.2017

Version number 1

Revision: 02.12.2017

**Trade name: SEPTOPACK**

(Contd. of page 4)

<b>Upper:</b>	<i>Not determined.</i>
· <b>Vapour pressure:</b>	<i>Not applicable.</i>
· <b>Density:</b>	<i>Not determined.</i>
· <b>Relative density :</b>	<i>Not determined.</i>
· <b>Vapour density :</b>	<i>Not applicable.</i>
· <b>Evaporation rate :</b>	<i>Not applicable.</i>
· <b>Solubility in / Miscibility with water:</b>	<i>Insoluble.</i>
· <b>Segregation coefficient (n-octanol/water):</b>	<i>Not determined.</i>
· <b>Viscosity:</b>	
<b>Dynamic:</b>	<i>Not applicable.</i>
<b>Kinematic:</b>	<i>Not applicable.</i>
· <b>Solvent content:</b>	
<b>VOC (EC)</b>	<i>0.00 %</i>
· <b>9.2 Other information :</b>	<i>No further relevant information available.</i>

**SECTION 10: Stability and reactivity**

- **10.1 Reactivity** *No further relevant information available.*
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **10.3 Possibility of hazardous reactions :** *No dangerous reactions known.*
- **10.4 Conditions to avoid :** *No further relevant information available.*
- **10.5 Incompatible materials:** *No further relevant information available.*
- **10.6 Hazardous decomposition products:** *No dangerous decomposition products known.*

**SECTION 11: Toxicological information**

- **11.1 Information on toxicological effects**
- **Acute toxicity** *Based on available data, the classification criteria are not met.*

· **LD/LC50 values relevant for classification:**

CAS: 1314-13-2 zinc oxide

Oral LD50 7,950 mg/kg (mouse)

CAS: 7446-19-7 zinc sulphate (hydrous) (mono-, hexa-and hepta hydrate)

Oral LD50 2,150 mg/kg (rat)

- **Primary irritant effect:**
- **On the skin:** *Based on available data, the classification criteria are not met.*
- **On the eyes:**  
*Causes serious eye damage.*
- **Respiratory or skin sensitization** *Based on available data, the classification criteria are not met.*
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** *Based on available data, the classification criteria are not met.*
- **Carcinogenicity** *Based on available data, the classification criteria are not met.*
- **Reproductive toxicity** *Based on available data, the classification criteria are not met.*
- **STOT-single exposure** *Based on available data, the classification criteria are not met.*
- **STOT-repeated exposure** *Based on available data, the classification criteria are not met.*

(Contd. on page 6)

**Safety data sheet**  
According to 1907/2006/EC, Article 31

Printing date 02.12.2017

Version number 1

Revision: 02.12.2017

**Trade name: SEPTOPACK**

(Contd. of page 5)

· **Aspiration hazard** Based on available data, the classification criteria are not met.

**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.
- **Ecotoxicological effects:**
- **Remark:** Very toxic for fish
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water



Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.  
Also poisonous for fish and plankton in water bodies.  
Very toxic for aquatic organisms

- **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 :**



Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **European waste catalogue**

HP 14 Ecotoxic

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

**SECTION 14: Transport information**

- **14.1 UN-Number**
- **ADR, IMDG, IATA** UN3077

(Contd. on page 7)

**Safety data sheet**  
According to 1907/2006/EC, Article 31

Printing date 02.12.2017

Version number 1

Revision: 02.12.2017

**Trade name: SEPTOPACK**

(Contd. of page 6)

**· 14.2 UN proper shipping name**

· ADR

*UN3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate), zinc oxide)*

· IMDG

*ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate), zinc oxide), MARINE POLLUTANT*

· IATA

*ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate), zinc oxide)*

**· 14.3 Transport hazard class(es)**

· ADR



· Class

*9 (M7) Miscellaneous dangerous substances and articles.*

· Label

*9*

· IMDG



· Class

*9 Miscellaneous dangerous substances and articles.*

· Label

*9*

· IATA



· Class

*9 Miscellaneous dangerous substances and articles.*

· Label

*9*

**· 14.4 Packing group**

· ADR, IMDG, IATA

*III*

**· 14.5 Environmental hazards:**

*Product contains environmentally hazardous substances: zinc oxide, zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate)*

· Marine pollutant:

*Yes*

· Special marking (ADR):

*Symbol (fish and tree)  
Symbol (fish and tree)*

**· 14.6 Special precautions for user**

*Warning: Miscellaneous dangerous substances and articles.*

· Danger code (Kemler):

*60*

· EMS Number:

*F-A,S-A*

· Stowage Category

*A*

(Contd. on page 8)

**Safety data sheet**  
According to 1907/2006/EC, Article 31

Printing date 02.12.2017

Version number 1

Revision: 02.12.2017

**Trade name: SEPTOPACK**

(Contd. of page 7)

· <b>Stowage Code</b>	SW23 When transported in BK3 bulk container, see 7.6.2.12 and 7.7.3.9.
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	5 kg
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
· <b>Transport category</b>	3
· <b>Tunnel restriction code</b>	E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	5 kg
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
· <b>UN "Model Regulation":</b>	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ZINC SULPHATE (HYDROUS) (MONO-, HEXA-AND HEPTA HYDRATE), ZINC OXIDE), 9, III

**SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category E1** Hazardous to the Aquatic Environment
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t
- **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**  
H302 Harmful if swallowed.  
H318 Causes serious eye damage.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

· **Classification according to Regulation (EC) No 1272/2008**

Serious eye damage/eye irritation Hazardous to the aquatic environment - short-term (acute) aquatic hazard Hazardous to the aquatic environment - long-term (chronic) aquatic hazard	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
--	--

(Contd. on page 9)





**Safety data sheet**  
**According to 1907/2006/EC, Article 31**

Printing date 02.12.2017

Version number 1

Revision: 02.12.2017

**Trade name: SEPTOPACK**

(Contd. of page 8)

**· 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)*

*VOC: Volatile Organic Compounds (USA, EU)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*SVHC: Substances of Very High Concern*

*vPvB: very Persistent and very Bioaccumulative*

*Acute Tox. 4: Acute toxicity – Category 4*

*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*

*Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1*

*Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1*

GB