

**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 10/31/2022

Reviewed on 10/31/2022

**1 Identification**

- **Product identifier**
- **Trade name:** *ViscoStat™ Clear*
- **Article number:** SDS 66-001.13, 73203
- **Application of the substance / the mixture** *Professional Dental Hemostatic Solution*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
*Ultradent Products Inc.  
505 W. Ultradent Drive (10200 S)  
South Jordan, UT 84095-3942  
USA  
onlineordersupport@ultradent.com*
- **Information department:** *Customer Service*
- **Emergency telephone number:**  
*CHEMTREC (NORTH AMERICA) : (800) 424-9300  
(INTERNATIONAL) : +(703) 527-3887*

**2 Hazard(s) identification**

- **Classification of the substance or mixture**



GHS08 Health hazard

*Toxic to Reproduction 2 H361 Suspected of damaging fertility or the unborn child.*

GHS05 Corrosion

*Skin Corrosion 1A H314 Causes severe skin burns and eye damage.  
Eye Damage 1 H318 Causes serious eye damage.*

- **Label elements**
- **GHS label elements** *Void*
- **Hazard pictograms** *GHS05, GHS08*
- **Signal word** *Danger*
- **Hazard statements**  
*H314 Causes severe skin burns and eye damage.  
H361 Suspected of damaging fertility or the unborn child.*
- **Precautionary statements**  
*P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P260 Do not breathe dusts or mists.  
P264 Wash thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.*

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- P304+P340 *IF INHALED: Remove person to fresh air and keep comfortable for breathing.*
- P305+P351+P338 *If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*
- P310 *Immediately call a poison center/doctor.*
- P308+P313 *IF exposed or concerned: Get medical advice/attention.*
- P321 *Specific treatment (see on this label).*
- P363 *Wash contaminated clothing before reuse.*
- P405 *Store locked up.*
- P501 *Dispose of contents/container in accordance with local/regional/national/international regulations.*

- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



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



### 3 Composition/information on ingredients

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

- **Dangerous components:**

7784-13-6	Aluminum Chloride Hexahydrate	>35-<55%
25322-68-3	Polyethylene Glycol	>1-<10%
	Trade Secret	>1-<10%
1303-96-4	Sodium Borate	≤1%
	Dimethicone	≤1%

- **Additional information:**  
The specific chemical identity of composition is being withheld as a trade secret. The specific chemical identity is made available to health professionals, employees, and designated representatives in accordance with the applicable provisions of paragraph §1910.1200.

### 4 First-aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:**  
This product is a viscous gel, therefore chance of inhalation is extremely low.  
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**  
If swallowed in large quantities seek medical attention.  
Drink copious amounts of water and provide fresh air. Immediately call a doctor.

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- **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:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture**  
During heating or in case of fire poisonous gases are produced.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Mount respiratory protective device.  
Wear protective equipment. Keep unprotected persons away.
- **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).  
Use neutralizing agent.  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **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**  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.  
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Use only receptacles specifically permitted for this substance/product.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
See product labelling.  
Keep receptacle tightly sealed.
- **Specific end use(s)** Professional Dental Hemostatic Solution

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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 following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.  
At this time, the other constituents have no known exposure limits.

<b>25322-68-3 Polyethylene Glycol</b>	
<b>WEEL</b>	Long-term value: 10 mg/m <sup>3</sup> (H); MW>200
<b>Trade Secret</b>	
<b>TWA</b>	Short-term value: 0.8 mg/m <sup>3</sup>
<b>1303-96-4 Sodium Borate</b>	
<b>REL</b>	Long-term value: 5 mg/m <sup>3</sup>
<b>TLV</b>	Short-term value: 6* mg/m <sup>3</sup> Long-term value: 2* mg/m <sup>3</sup> *as inhalable fraction, A4
<b>TWA</b>	Short-term value: 10

- **Additional information:** The lists that were valid during the creation were used as basis.
- **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.  
Store protective clothing separately.  
Avoid contact with the eyes.  
Avoid contact with the eyes and skin.
- **Breathing equipment:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **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 is based on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**  
The selection of 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 breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· **Eye protection:**

Tightly sealed goggles

· **Body protection:** *Protective work clothing*

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**

· <b>Form:</b>	<i>Gel</i>
· <b>Color:</b>	<i>Whitish</i>
· <b>Odor:</b>	<i>Odorless</i>
· <b>Odor threshold:</b>	<i>Not determined.</i>

· **pH-value at 20 °C:** *<1*· **Change in condition**

· <b>Melting point/Melting range:</b>	<i>Undetermined.</i>
· <b>Boiling point/Boiling range:</b>	<i>Undetermined</i>

· **Flash point:** *Not applicable*· **Flammability (solid, gaseous):** *Not applicable.*· **Decomposition temperature:** *Not determined.*· **Auto igniting:** *Product is not selfigniting.*· **Danger of explosion:** *Product does not present an explosion hazard.*· **Explosion limits:**

· <b>Lower:</b>	<i>Not determined.</i>
· <b>Upper:</b>	<i>Not determined.</i>

· **Vapor pressure:** *Not determined.*

· <b>Density at 20 °C:</b>	<i>1.284 g/cm<sup>3</sup></i>
· <b>Relative density</b>	<i>Not determined</i>
· <b>Vapor density</b>	<i>Not determined.</i>
· <b>Evaporation rate</b>	<i>Not determined.</i>

· **Solubility in / Miscibility with**· **Water:** *Fully miscible.*· **Partition coefficient (n-octanol/water):** *Not determined.*· **Viscosity:**

· <b>Dynamic:</b>	<i>Not determined.</i>
· <b>Kinematic:</b>	<i>Not determined</i>

· **Other information** *No further relevant information available.*

## 10 Stability and reactivity

· **Reactivity** *No further relevant information available.*

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- **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:

#### · LD/LC50 values that are relevant for classification:

##### ATE (Acute Toxicity Estimate)

Oral	LD50	4,403 mg/kg
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##### 7784-13-6 Aluminum Chloride Hexahydrate

Oral	LD50	1,990 mg/kg (mouse) 3,300 mg/kg (rat)
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##### 25322-68-3 Polyethylene Glycol

Oral	LD50	19,600 mg/kg (Guinea pig) 17,300 mg/kg (mouse) >10,000 mg/kg (rat)
	LC50 Fish	>100 mg/l (Fish)
Dermal	LD50	>20,000 mg/kg (rabbit)
	LC50(Daphnia magna)	>10,000 mg/l (Water Flea) (Toxicity to aquatic invertebrates)

##### Trade Secret

Oral	LD50	>15,000 mg/kg (mouse) >3,300 mg/kg (rat)
	LC50 Fish	>10,000 mg/l (Fish) (Toxicity to fish)
Dermal	LD50	>5,000 mg/kg (rabbit)
Inhalative	LC50/4 h	0.139 mg/l (rat)

##### 1303-96-4 Sodium Borate

Oral	LD50	5,330 mg/kg (Guinea pig) 2,000 mg/kg (mouse) 396-689 mg/kg (rat)
	LC50 Fish	54 mg/l (Fish)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>0.002 mg/l (rat)

#### · Primary irritant effect:

· **on the skin:** Strong caustic effect on skin and mucous membranes.

#### · on the eye:

Strong caustic effect.

Strong irritant with the danger of severe eye injury.

· **Sensitization:** No sensitizing effects known.

#### · Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:  
Corrosive

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**Irritant**

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

· **Carcinogenic categories**· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **Germ cell mutagenicity** Does not meet the classification criteria for this hazard class.· **Carcinogenicity** Does not meet the classification criteria for this hazard class.· **Reproductive toxicity** Does not meet the classification criteria for this hazard class.· **Specific target organ toxicity - single exposure** Does not meet the classification criteria for this hazard class.· **Specific target organ toxicity - repeated exposure** Does not meet the classification criteria for this hazard class.· **Aspiration hazard** Does not meet the classification criteria for this hazard class.

## 12 Ecological information

· **Toxicity**· **Aquatic toxicity:****Trade Secret**

EC50 &gt;1,000 mg/kg (daphnia)

· **Persistence and degradability** No further relevant information available.· **Behavior in environmental systems:**· **Bioaccumulative potential** No further relevant information available.· **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.

Must not reach bodies of water or drainage ditch undiluted or unneutralized.

Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

· **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:**

Dispose of contents/container in accordance with international, federal, state, and local regulations.

· **Uncleaned packagings:**· **Recommendation:** Disposal must be made according to official regulations.

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· **Recommended cleansing agent:** *Water, if necessary with cleansing agents.*

## 14 Transport information

· **UN-Number**  
 · **DOT, IMDG, IATA** *Not Regulated*

· **UN proper shipping name**  
 · **DOT, IMDG, IATA** *Not Regulated*

· **Transport hazard class(es)**  
 · **DOT, ADN, IMDG, IATA**  
 · **Class** *Not Regulated*

· **Packing group**  
 · **DOT, IMDG, IATA** *Not Regulated*

· **Environmental hazards:** *Not Applicable.*

· **Special precautions for user** *Not Applicable*

· **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** *Not Applicable.*

· **UN "Model Regulation":** *Not Regulated*

## 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 ingredients is listed.*

· **Section 313 (Specific toxic chemical listings):**

*None of the ingredients is listed.*

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

25322-68-3	Polyethylene Glycol	<i>ACTIVE</i>
1303-96-4	Sodium Borate	<i>ACTIVE</i>

· **Hazardous Air Pollutants**

*None of the ingredients is listed.*

· **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.*

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· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

1303-96-4	Sodium Borate	I (oral)
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· **ACGIH Carcinogenicity (American Conference of Governmental Industrial Hygienists)**

1303-96-4	Sodium Borate	A4
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· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **Chemical safety assessment:**

Device is biocompatible when used as directed by dental professionals per ISO 10993-1

## 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.*

· **Department issuing SDS:** Environmental, Health, and Safety

· **Contact:** Customer Service

· **Date of preparation / last revision** 10/31/2022 / -

· **Abbreviations and acronyms:**

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

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

Skin Corrosion 1A: Skin corrosion/irritation – Category 1A

Eye Damage 1: Serious eye damage/eye irritation – Category 1

Toxic to Reproduction 2: Reproductive toxicity – Category 2

· **\* Data compared to the previous version altered.**

US