

## Safety Data Sheet in accordance with HSNO

Printing date 18.05.2020



Version number 3

Revision: 18.05.2020

### 1 Identification of the substance or mixture and of the supplier

- **Product identifier**
- **Trade name:** *GC Cavity Conditioner*
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** *Auxillary for dental technology*
- **Details of the supplier of the safety data sheet**  
*Henry Schein Dental  
23 William Pickering Drive, Albany  
Auckland 0632, NEW ZEALAND*  
  
*PO Box 101140, NSMC  
Auckland 0745, NEW ZEALAND*  
  
*Free Phone: 0800 808 855*
- **Further information obtainable from:** *Regulatory affairs*
- **Emergency telephone number:** *0800 764 766 (National Poisons Centre)*

### 2 Hazards identification

- **Classification of the substance or mixture**  
*Eye Dam. 1      H318 Causes serious eye damage.*  
*Aquatic Acute 2      H401 Toxic to aquatic life.*  
*Aquatic Chronic 2      H411 Toxic to aquatic life with long lasting effects.*
- **Label elements**
- **GHS label elements**  
*Exempt from requirements - product regulated as a medical device or an in vitro diagnostic medical device.*  
*The product is classified and labelled according to the Globally Harmonised System (GHS).*
- **Hazard pictograms**  
  
GHS05    GHS09
- **Signal word** *Danger*
- **Hazard statements**  
*Causes serious eye damage.*  
*Toxic to aquatic life with long lasting effects.*
- **Precautionary statements**  
*Avoid release to the environment.*  
*Wear eye protection / face protection.*  
*IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.*  
*Continue rinsing.*  
*Immediately call a POISON CENTER/doctor.*  
*Collect spillage.*  
*Dispose of contents/container in accordance with local/regional/national/international regulations.*

(Contd. on page 2)

# Safety Data Sheet in accordance with HSNO

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Version number 3

Revision: 18.05.2020

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(Contd. of page 1)

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

## 3 Composition/Information on ingredients

- **Chemical characterisation: Mixtures**
- **Description:**

Only substances required to be mentioned according to Annex II of regulation 1907/2006 are listed. Information on the other substances that may be present can be obtained upon request.

- **Dangerous components:**

9003-01-4	Polyacrylic acid Eye Irrit. 2, H319	10-<25%
7784-13-6	aluminum chloride hexahydrate Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Acute Tox. 5, H303	2.5-<5%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

## 4 First aid measures

- **Description of first aid measures**
- **General information:**  
Immediately remove any clothing soiled by the product.  
If symptoms persist consult doctor.
- **After inhalation:**  
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.  
Take affected persons into fresh air and keep quiet.
- **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
Seek medical treatment.  
If skin irritation continues, consult a doctor.
- **After eye contact:**  
Protect unharmed eye.  
Rinse opened eye for several minutes under running water.  
Call a doctor immediately.
- **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:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
Use fire extinguishing methods suitable to surrounding conditions.

(Contd. on page 3)

## Safety Data Sheet in accordance with HSNO

Printing date 18.05.2020

Version number 3

Revision: 18.05.2020

**Trade name: GC Cavity Conditioner**

(Contd. of page 2)

- **For safety reasons unsuitable extinguishing agents:** *Water with full jet*
- **Special hazards arising from the substance or mixture**  
*Formation of toxic gases is possible during heating or in case of fire.*  
*No further relevant information available.*
- **Advice for firefighters**
- **Protective equipment:** *Wear self-contained respiratory protective device.*
- **Additional information**  
*Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.*

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
*Remove persons from danger area.*  
*Avoid contact with the eyes and skin.*  
*Wear protective clothing.*
- **Environmental precautions:**  
*Do not allow product to reach sewage system or any water course.*  
*Inform respective authorities in case of seepage into water course or sewage system.*  
*Do not allow to penetrate the ground/soil.*  
*In case of seepage into the ground inform responsible authorities.*
- **Methods and material for containment and cleaning up:**  
*Use neutralising agent.*  
*Absorb liquid components with liquid-binding material.*  
*Dispose of the material collected according to regulations.*
- **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.*  
*Prevent formation of aerosols.*  
*Avoid contact with the eyes and skin.*
- **Information about fire - and explosion protection:** *No special measures required.*
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** *Store only in unopened original receptacles.*
- **Information about storage in one common storage facility:** *Store away from foodstuffs.*
- **Further information about storage conditions:** *Keep container tightly sealed.*
- **Specific end use(s)** *No further relevant information available.*

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** *No further data; see item 7.*

(Contd. on page 4)

## Safety Data Sheet in accordance with HSNO

Printing date 18.05.2020

Version number 3

Revision: 18.05.2020

Trade name: GC Cavity Conditioner

(Contd. of page 3)

- **Control parameters**
- **Ingredients 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 valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.  
Avoid contact with the eyes and skin.  
Wash hands before breaks and at the end of work.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing
- **Respiratory protection:** Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

- **Material of gloves**  
The selection of the 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 break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

### 9 Physical and chemical properties

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

Form:	Liquid
Colour:	Light yellow
Odour:	Odourless
Odour threshold:	Not determined.
- **pH-value at 20 °C:** 1.9
- **Change in condition**

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Undetermined.
- **Flash point:** Not applicable.
- **Flammability (solid, gas):** Not applicable.

(Contd. on page 5)

## Safety Data Sheet in accordance with HSNO

Printing date 18.05.2020

Version number 3

Revision: 18.05.2020

Trade name: GC Cavity Conditioner

(Contd. of page 4)

· <b>Ignition temperature:</b>	Undetermined.
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto-ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
Lower:	Not determined.
Upper:	Not determined.
· <b>Vapour pressure:</b>	Not determined.
· <b>Density:</b>	Not determined. 2,56 g/cm <sup>3</sup> 1,18g/ml
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with water:</b>	Fully miscible.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
Dynamic:	Not determined.
Kinematic:	Not determined.
· <b>Solvent content:</b>	
Water:	76.9 %
VOC (EC)	0.0 g/l
· <b>Other information</b>	No further relevant information available.

### 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**

· <b>LD/LC50 values relevant for classification:</b>
7784-13-6 aluminum chloride hexahydrate
Oral LD50 3,311 mg/kg (rat (f+m))

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.

(Contd. on page 6)

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## Safety Data Sheet in accordance with HSNO

Printing date 18.05.2020

Version number 3

Revision: 18.05.2020

Trade name: GC Cavity Conditioner

(Contd. of page 5)

- **Serious eye damage/irritation**  
Strong caustic effect.  
Strong irritant with the danger of severe eye injury.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Corrosive
- **Repeated dose toxicity** No further relevant information available.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**  
No further relevant information available.

### 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

7784-13-6 aluminum chloride hexahydrate

LC50/96h 0.671 mg/L (fish)

- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**  
Must not reach sewage water or drainage ditch undiluted or unneutralised.  
Also poisonous for fish and plankton in water bodies.  
Toxic for aquatic organisms  
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.  
Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water  
Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
Danger to drinking water if even extremely small quantities leak into the ground.
- **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**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

(Contd. on page 7)

## Safety Data Sheet in accordance with HSNO

Printing date 18.05.2020

Version number 3

Revision: 18.05.2020

Trade name: GC Cavity Conditioner

(Contd. of page 6)

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

### 14 Transport information

· <b>UN-Number</b> · <b>ADR, ADN, IMDG, IATA</b>	not regulated
· <b>UN proper shipping name</b> · <b>ADR</b> · <b>ADN, IMDG, IATA</b>	3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Polyacrylic acid), ENVIRONMENTALLY HAZARDOUS not regulated
· <b>Transport hazard class(es)</b> · <b>ADR, ADN, IMDG, IATA</b> · <b>Class</b>	not regulated
· <b>Packing group</b> · <b>ADR, IMDG, IATA</b>	not regulated
· <b>Environmental hazards:</b> · <b>Marine pollutant:</b>	Yes
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>UN "Model Regulation":</b>	UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Polyacrylic acid), ENVIRONMENTALLY HAZARDOUS, 8, II

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**· **New Zealand Inventory of Chemicals**

All ingredients are listed.

· **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).· **Hazard pictograms**

GHS05   GHS09

· **Signal word** Danger· **Hazard statements**

Causes serious eye damage.

Toxic to aquatic life with long lasting effects.

· **Precautionary statements**

Avoid release to the environment.

Wear eye protection / face protection.

(Contd. on page 8)



## Safety Data Sheet in accordance with HSNO

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Version number 3

Revision: 18.05.2020

**Trade name: GC Cavity Conditioner**

(Contd. of page 7)

*IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*

*Immediately call a POISON CENTER/doctor.*

*Collect spillage.*

*Dispose of contents/container in accordance with local/regional/national/international regulations.*

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

- **Relevant phrases**

*H303 May be harmful if swallowed.*

*H315 Causes skin irritation.*

*H319 Causes serious eye irritation.*

*H400 Very toxic to aquatic life.*

*H410 Very toxic to aquatic life with long lasting effects.*

- **Department issuing SDS:** Regulatory affairs

- **Contact:** msds@gc.dental

- **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*

*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*

*vPvB: very Persistent and very Bioaccumulative*

*Acute Tox. 5: Acute toxicity - oral - Category 5*

*Skin Irrit. 2: Skin corrosion/irritation - Category 2*

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

*Eye Irrit. 2: Serious eye damage/eye irritation - Category 2*

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

*Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard - Category 2*

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

*Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2*

- **Sources**

- ECHA (<http://echa.europa.eu/>)

- EnviChem ([www.echemportal.org](http://www.echemportal.org))

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

*This version replaces all previous versions.*

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