



1. Identification

Product Name Hemoban™ Gel	SDS Code Number 575110
Product Description 25% Aluminum Chloride Hemostatic Solution	Date of Last Revision 01/02/2019
Manufactured for: Dentsply Sirona LLC 38 West Clarke Avenue Milford DE 19963-1805 http://www.dentsplysirona.com	
Grades or Minor Variant Identities Not Applicable	Company Telephone Number (Product Inquiries) (302) 422-4511 (8:00 AM – 4:30 PM Eastern Time)
Product Use (for Canada) Dental Hemostatic Solution	Emergency Telephone Number CHEMTREC: 1-800-424-9300 (24 hours) (Outside U.S. +1-703-527-3887) CCN6510

2. Hazard(s) Identification



Danger

Causes severe skin burns and eye damage.
May cause respiratory irritation.

Wear protective gloves/protective clothing/eye protection/face protection.
Do not breathe dust/fume.

Wash hands thoroughly after handling.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

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

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

3. Composition/Information on Ingredients

Hazardous Components	C.A.S. Number	Exposure Limits per ACGIH	%
Aluminum Chloride Hexahydrate	7784-13-6	Not Applicable	< 46
Sodium borate	1330-43-4	6 mg/m ³	< 1
Siloxane	N/A	Not Applicable	< 1

4. First Aid Measures

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	Remove contact lenses, if present and easy to do. Flush eyes with plenty of water for at least 15 minutes, opening the eyelids fully. Seek immediate medical advice.	Not Applicable	Causes eye irritation
Skin	Remove contaminated clothing. Wash with soap and water. Get medical attention.	Not Applicable	Causes skin irritation
Inhalation	Remove to open air. In the event of breathing difficulties get medical advice/attention immediately.	Not Applicable	May be harmful if swallowed
Ingestion	If swallowed, rinse mouth out with water, Do NOT induce vomiting. Call a physician or poison center if you feel unwell.	Not Applicable	May be harmful if inhaled.
Other	Not Applicable	Not Applicable	Not Applicable
Note to Physicians (Treating, Testing and Monitoring): No further relevant information available.			

5. Fire and Explosion Data

Flashpoint Method: Not Applicable	Flammable (Explosive) Limits in Air: Not Applicable	Autoignition Temperature: Not Applicable	Other: Not Applicable
Flame Propagation or Burning Rate (for Solids): Not Applicable	Properties Contributing to Fire Intensity: Not Applicable	Flammability Classification: Not Applicable	
Extinguishing Media: Water spray only		Extinguishing Media to Avoid: Not Applicable	
Protection and Procedures for Firefighters: Firefighters should wear protective equipment for fire-fighting. Use self-contained breathing apparatus when the product is involved in fire.			
Unusual Fire and Explosion Hazards: None known			

6. Accidental Release Measures

Containment Techniques: Wear protective clothing. Absorb with liquid binding material (sand, vermiculite, diatomite, acid binders, universal binders or sawdust). Use neutralizing agent. Scoop up bulk material and place in a labeled plastic or metal container. Ensure adequate ventilation. After cleaning, flush away traces with water		
Spill/Leak Clean-up Procedures and Equipment: Wear protective clothing. Absorb with liquid binding material (sand, vermiculite, diatomite, acid binders, universal binders or sawdust). Scoop up bulk material and place in a labeled plastic or metal container. Avoid gross skin contact to minimize the possibility of contact dermatitis to susceptible persons. Ensure adequate ventilation.		
Evacuation Procedures: Not Applicable	Special Instructions: Not Applicable	Environmental precautions (water spill): Do not allow to enter sewers or drains that may lead to waterways.

7. Handling and Storage

Handling Practices and Warnings: Handling of this product should be by trained dental healthcare professionals only. Observe normal care for working with chemicals. Use suitable protective equipment.
Storage Practices and Warnings: See product labeling.

8. Exposure Control / Personal Protection



Ventilation: None required during normal intended use of this product		Other Engineering Controls: Not Applicable
Routes of Entry	Personal Protective Equipment (PPE) for Normal Use	PPE for Emergencies
Eye/Face	Safety Glasses	Not Applicable
Skin	The glove material must be impermeable and resistant to the product.	Not Applicable
Inhalation	Not required for normal volumes used in Dental office. In case of insufficient ventilation, wear suitable respiratory equipment.	Not Applicable
Body Protection	Protective work clothing	Not Applicable
General Hygiene Considerations and Work Practices: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at end of work. Avoid contact with the eyes and skin.		
Protective Measures During Repair and Maintenance of Contaminated Equipment: Not Applicable		
Other Protective Measures and Equipment: Not Applicable		

9. Physical and Chemical Characteristics

Appearance: Clear Viscous Gel		Odor: Odorless or no characteristic odor	
Normal Physical State: Gel	Color: White with slight yellow tint	Melting Point: Not Determined	Boiling Point: Not Determined
Specific gravity: 1.3	Solubility in / Miscibility with water: Yes	pH: < 1.0	
Vapor Pressure 20°C (68°F): Not determined	Vapor Density (AIR=1): Not Applicable	Evaporation Rate (Butyl Acetate=1): Not determined	
Ignition temperature: Not determined	Explosion Limits:	Flash point: Not determined	
Viscosity: Not determined	Solvent content:	Auto igniting: Not determined	
Kinematic: Not determined	Organic solvents: Not determined		
	Water: Not determined		
Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.			
Other: Not Applicable			

10. Stability and Reactivity Data

Incompatibility (Materials to Avoid): No further relevant information available.	
Hazardous Products Produced During Decomposition: No further relevant information available	
Hazardous Polymerization: <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> May Not Occur	Conditions to Avoid: No further relevant information available.
Stability? <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	

11. Toxicological Information

Emergency Overview: Material is irritating to eyes, respiratory system and skin.
Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic Effects, Reproductive Effects, or Structure Activity Data:

Product is an irritant to skin and mucous membranes. The unpolymerized product may be an irritant to the skin in susceptible persons. On the eye the product has an irritating effect. Sensitization: Repeated or prolonged contact with the unpolymerized material may cause sensitization for persons allergic to acrylates and methacrylates. This product shows the following dangers according to internally approved calculation methods for composite materials: Irritant.
Acute Dermal LD ₅₀ : > 40,000 mg/kg Rabbit Notes: ~45% of the mixture consists of components of unknown toxicity (Dermal) Oral LD ₅₀ : > 4000 mg/kg Rat/Mouse Notes: < 1% of the mixture consists of components of unknown toxicity (Oral) Inhalation LC ₅₀ : > 0.11 mg/L/4H Rat Notes: ~45% of the mixture consists of components of unknown toxicity (Inhalation). Although some components are hazardous if inhaled, the use and form of this product as a thick gel make it extremely unlikely to be inhaled.
Germ Cell mutagenicity: The components in this product are not reported to produce mutagenic effects in humans.
Reproductive toxicity: WARNING! This product contains a chemical to cause birth defects or other reproductive harm when used at concentrations over 4.5%: Sodium Borate. WARNING! This product contains a chemical to cause birth defects or other reproductive harm. Siloxane.
Carcinogenicity NTP?: Not listed IARC monographs?: Not Applicable OSHA regulated?: No. All components of this product are in compliance with the inventory listing Requirements of the U. S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
Potential Environmental Effects Do not allow to enter sewers/ surface or ground water.
NFPA Hazard Classification Ratings (Scale 0-4) Health = 3, Fire = 3, Reactivity = 0 Specific Hazard = None
Other information: Device is biocompatible when used as directed by dental professionals per ISO 10993-1

12. Ecological Information

Toxicity Data, Environmental Fate, Physical/Chemical Data, or other Data Supporting Environmental Hazard Statements: Harmful to fish. Harmful to aquatic organisms. Do not allow product to reach ground water, water course or sewage system. Must not reach bodies of water or drainage ditch undiluted or unneutralized. Danger to drinking water if even small quantities leak into the ground.	
Aquatic toxicity: Do not allow to enter sewers or drains that may lead to waterways.	
Persistence and degradability: Not Classified	Bioaccumulative potential: Not Classified
Mobility in soil: Not Available	
Results of PBT and vPvB assessment: Conclusion – The substance does not fulfill the PBT and vPvB criteria for screening assessment; there are no indications of P or B properties.	

13. Disposal Considerations

Regulations: Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Dispose of material as solid waste in a closed container. Dispose of in accordance with Federal, State and Local regulations

14. Transport Information

Regulated for Shipping: Yes	Proper Shipping Name: Corrosive Liquid, N.O.S. (Aluminum chloride hexahydrate mixture)	Packing Group: III
Do Changes in Quantities, packaging, or shipment method change product classification? Yes	Hazard Class: 8	UN Identification Number: 1760
Other: Not Applicable		



Corrosive substances

15. Regulatory Information

This product has been classified in accordance with the hazard criteria of the Globally Harmonized System of Classification and Labeling of Chemicals and the SDS contains all of the information required by the Canadian Controlled Products Regulations.
U.S. Federal Regulations: CERCLA 103 Reportable Quantity: Not Available
Section 313 Toxic Chemicals: None
Section 302 Extremely Hazardous Substances (TPQ): None
EPA Toxic Substances Control Act (TSCA) Status: None
TLV (Threshold Limit Value established by ACGIH): None
U.S. State Regulations California Proposition 65: This product does not contain any chemicals, which are on the California Proposition 65 list.
Federal Regulations: The product has been classified and marked in accordance with directives on hazardous materials. Hazard Symbol: Flammable Water Hazard class1 (Self-assessment): slightly hazardous for water. SARA Codes: Not Available
Other: None

16. Other Information

To the best of our knowledge this product does not contain gluten, wheat grains, flaxseed, natural rubber, or natural latex. All components are synthetically produced; none are derived from animal products. This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific products features and shall not establish a legally valid contractual relationship. The attached safety data sheet covers the dangers and measures to be taken when large quantities of material are released, for example due to accidents during transport or storage by the dealer. For quantities of material typically used in clinical practice, information necessary for safe use and storage of the product is given in the DFU.
