



**DENTAL  
TECHNOLOGIES**

## Safety Data Sheet

Safety Data Sheet (in compliance with 29 CFR Part 1200 and 29 CFR Part 1020)

Document Number: SDS 042.006  
Date Revised: 03/05/24

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product Identifier:

**Trade Name (as labeled):** Alpha-Dent® Porcelain Conditioner  
**Part/Item Number:** 542-0100-002

#### 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:

**Recommended Use:** Porcelain Conditioner  
**Restrictions on Use:** For Professional Use Only

#### 1.3 Details of the Supplier of the Safety Data Sheet:

**Manufacturer/Supplier Name:** Dental Technologies, Inc.  
**Manufacturer/Supplier Address:** 6901 N. Hamlin Avenue  
Lincolnwood, IL 60712  
**Manufacturer/Supplier Telephone Number:** 800-835-0885 or 847-677-5500 (Product Information)  
**Email address:** [info@dentalttech.com](mailto:info@dentalttech.com)

#### 1.4 Emergency Telephone Number:

**Emergency Contact Telephone Number:** Chemtrec  
800-424-9300 (USA)  
001-703-527-3887 (Outside USA)

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the Substance or Mixture:

| GHS Classification:   |               |                                     |
|---|---------------|-------------------------------------|
| Health  | Environmental | Physical                            |
| Serious eye damage/eye irritation Category 2A (H319)<br>Specific target organ toxicity, single exposure – may cause dizziness or drowsiness Category 3 (H336)<br>Skin Sensitization Category 1 (H317) | Not Hazardous | Flammable liquids Category 2 (H225) |

#### 2.2 Label Elements:



GHS08



GHS02



GHS07

**Signal Word:** Danger, Warning

| Hazard Phrases   | Precautionary Phrases   |
|--|---|
| H319 Causes serious eye irritation<br>H336 May cause drowsiness or dizziness<br>H317 May cause an allergic skin reaction<br>H225 Highly Flammable liquid and vapor | P264 Wash hands thoroughly after handling.<br>P280 Wear protective gloves/protective clothing/eye protection/face protection.<br>P305+P351+P338 IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P337+P313 If eye irritation persists: Get medical advice/attention.<br>P261 In contact with water releases flammable gas.<br>P271 May cause fire or explosion; strong oxidizer.<br>P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.<br>P312 Call a POISON CENTER or doctor/physician.<br>P403+P233 Store in a well ventilated place. Keep container tightly closed.<br>P405 Store locked up.<br>P501 Dispose of contents/containers according to local and national regulations.<br>P272 May intensify fire; oxidizer.<br>P302+P352 IF ON SKIN: Gently wash with plenty of soap and water.<br>P333+P313 IF SKIN irritation or rash occurs: Get medical advice/attention.<br>P321 See section 4 of this document for specific treatment.<br>P363 Wash contaminated clothing before reuse.<br>P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.<br>P233 Keep container tightly closed.<br>P240 Ground/bond container and receiving equipment.<br>P241 Use explosion proof equipment.<br>P242 Use only non-sparking tools.<br>P243 Take precautionary measures against static discharge.<br>P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse SKIN with water/shower.<br>P370+P378 In case of fire: evacuate area.<br>P403+P235 Store in a well ventilated place. Keep cool. |

**2.3 Other Hazards:** None known.**2.3 Unknown acute toxicity (GHS-US):** No data available.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Mixture:**

| Hazardous Components | C.A.S. #  | Classification   | WT %    |
|----------------------|-----------|--|---------|
| Isopropyl Alcohol    | 67-63-0   | Highly Flammable liq. and vap., H225<br>Eye Irrit. 2A, H319<br>Specific target organ toxicity (single exposure), may cause dizziness or drowsiness 3, H336 | 75-100% |
| Silane               | 2530-85-0 | Skin Sens. 1, H317   | 1-10%   |

**The exact concentration is being withheld as a trade secret.****Refer to Section 16 for the full text of the GHS Classifications.**

## 4. FIRST AID MEASURES

### 4.1 Description of First Aid Measures:

|                   |   |
|-------------------|---|
| <b>Eye</b>        | Immediately flush victim's eyes with large quantities of water for 15 minutes, holding the eyelids apart. Have eyes examined and tested by medical personnel. |
| <b>Skin</b>       | Wash skin with soap and water. If irritation persists, consult a physician.   |
| <b>Inhalation</b> | Move victim to fresh air. Give artificial respirator if breathing has stopped. Seek medical attention.  |
| <b>Ingestion</b>  | Rinse out mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious or drowsy person. Get immediate medical attention.         |

### 4.2 Most Important Symptoms and Effects, Both Acute and Delayed:

Causes eye burns. Causes skin burns. Ingestion of this material can cause mouth, throat, esophageal, and gastrointestinal tract irritation. Inhalation is not expected for this product.

### 4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed:

Not applicable.

**Note to Physicians (Treatment, Testing, and Monitoring):** Not applicable.

## 5. FIRE-FIGHTING MEASURES

**5.1 Extinguishing Media:** Chemical Foam, Carbon Dioxide, Dry Chemical, or Water spray.





### 5.2 Special Hazards Arising from the Substance or Mixture:

Flammable liquid and vapor. Vapors may travel to source of ignition and flashback. Vapors may settle in low or confined spaces.

### 5.3 Advice for Fire-Fighters:

|                                       |   |
|---------------------------------------|---|
| <b>Fire Fighting Procedures:</b>      | General: Evacuate all personnel; use protective equipment for firefighting.   |
| <b>Precautions for Fire Fighters:</b> | Firefighters should wear full emergency equipment and approved positive pressure self-containing breathing apparatus. |

### Recommended Protective Equipment for Fire Fighters:



| EYES/FACE   | HANDS   | RESPIRATORY  | THERMAL   |
|---|---|--|---|
|  |  |  |  |

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Avoid contact with skin, eyes or clothing. Wear appropriate protective clothing as described in Section 8.

#### Recommended Personal Protective Equipment for Containment and Clean-up:

| EYES/FACE   | HANDS   | RESPIRATORY | SKIN |
|---|---|-------------|------|
|  |  |             |      |

### 6.2 Environmental Precautions:

Prevent entry into sewers and waterways. Report releases as required by local, state, and national authorities. Avoid contact with skin, eyes or clothing. Wear appropriate protective clothing as described in Section 8.

### 6.3 Methods and Material for Containment and Cleaning up:

Clean up with absorbent material and remove residue with alcohol damp wipe. Rinse spill area with water.

### 6.4 Reference to Other Sections:

Refer to Section 8 for Personal Protective Equipment and Section 13 for Disposal information.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for Safe Handling:

Avoid contact with the eyes, skin and clothing. Wear protective clothing and equipment as described in Section 8. Wash thoroughly after handling. See product labeling.

### 7.2 Conditions for Safe Storage, Including Any Incompatibilities:

Store in a cool-dry place. See product labeling.

### 7.3 Specific End Use (s):

Porcelain conditioner.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control Parameters:** Not determined.

**8.2 Exposure Controls:**



**Individual Protection Measures (PPE)**

**Specific Eye/face Protection:** Chemical safety goggles should be worn if needed to avoid eye contact.

**Specific Skin Protection:** Wear impervious gloves such as natural rubber or neoprene if needed to avoid skin contact. Consult glove supplier for thickness and breakthrough times.

**Specific Respiratory Protection:** None should be needed under normal use. Good ventilation should be sufficient.

### Recommended Personal Protective Equipment

| EYES/FACE   | HANDS   | RESPIRATORY | SKIN |
|---|---|-------------|------|
|  |  |             |      |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Information on Basic Physical and Chemical Properties:**

|   |                      |  |                     |
|---|----------------------|--|---------------------|
| <b>Physical state:</b>                          | Liquid               | <b>Relative density:</b>                       | 0.76 – 0.80 g/mL    |
| <b>Appearance:</b>                              | Clear and Colorless  | <b>Explosive limits:</b>                       | Not Determined      |
| <b>Odor:</b>                                    | Rubbing alcohol odor | <b>Vapor pressure (mmHg):</b>                  | 33mmHg @ 20°C       |
| <b>Odor threshold:</b>                          | Not Determined       | <b>Vapor density:</b>                          | Not Determined      |
| <b>pH:</b>                                      | Not Determined       | <b>Solubility(ies):</b>                        | Reactive with water |
| <b>Melting/freezing point:</b>                  | Not Determined       | <b>Partition coefficient: n-octanol/water:</b> | Not Determined      |
| <b>Initial boiling point and boiling range:</b> | 82°C                 | <b>Auto-ignition temperature:</b>              | Not Determined      |
| <b>Flash point:</b>                             | 12°C                 | <b>Decomposition temperature:</b>              | Not Determined      |
| <b>Evaporation rate:</b>                        | 1.8                  | <b>Viscosity:</b>                              | Not Determined      |
| <b>Flammability (solid, gas):</b>               | Flammable liquid     | <b>Oxidizing Properties:</b>                   | Not Determined      |
| <b>Explosive Properties:</b>                    | Not Determined       |  |                     |

**9.2 Other Information:** None available

## 10. STABILITY AND REACTIVITY

**10.1 Reactivity:** Stable at ambient temperature and under normal conditions of use.

**10.2 Chemical Stability:** Stable at standard temperature and pressure

**10.3 Possibility of Hazardous Reactions:** None known.

**10.4 Conditions to Avoid:** Keep away from heat, sparks, flames, and other sources of ignition.

**10.5 Incompatible materials:** High temperatures, visible sight sources, strong oxidizing agents. Keep away from sunlight and open flames.

**10.6 Hazardous Decomposition Products:** Oxides of carbon when burned.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects:

Isopropyl Alcohol

Specific Target Organ Toxicity (Single Exposure) 3, may cause dizziness or drowsiness H336

|                    |                        |
|--------------------|------------------------|
| Route of exposure: | Ingestion              |
| Target organs:     | Central nervous system |

#### Acute Toxicity

|                           |  |
|---------------------------|--|
| Acute Oral Toxicity       | LD50, Rat, 5,840mg/kg<br>Lethal Dose, Humans, 3.2 Ounces estimated |
| Acute Dermal Toxicity     | LD50, Rabbit, >12,800mg/kg   |
| Acute Inhalation Toxicity | LG50, Rat, male and female, 6 hour, vapour, >10000ppm              |

Silane

|                       |                        |
|-----------------------|------------------------|
| Acute Toxicity        |                        |
| Acute Oral Toxicity   | LD50, Rat, >2,000mg/kg |
| Acute Dermal Toxicity | LD50, Rat, >2,000mg/kg |

## 12. ECOLOGICAL INFORMATION

**12.1 Toxicity:** Not Determined.

**12.2 Persistence and Degradability:** Not Determined.

**12.3 Bio-accumulative Potential:** Not Determined.

**12.4 Mobility in Soil:** Not Determined.

**12.5 Results of PBT and vPvB Assessment:** Not Determined.

**12.6 Other Adverse Effects:** Not Determined.

### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste Treatment Methods:

**Regulations:** Dispose in accordance with all national and local regulations.

**Properties (Physical/Chemical) Affecting Disposal:** None currently known.

**Waste Treatment Recommendations:** Dispose in accordance with national and local regulations.

### 14. TRANSPORT INFORMATION

#### 14.1. UN number

UN 1993

#### 14.2. UN proper shipping name

Flammable Liquids, N.O.S.

#### 14.3. Transport hazard class(es)

3 (flammable)

#### 14.4. Packing group

II

#### 14.5. Environmental hazards

Not applicable

#### 14.6. Special precautions for user

Not applicable

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

### 15. REGULATORY INFORMATION

**15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:** Please refer to Medical Device Directive 93/42/EEC.

**15.2 Chemical Safety Assessment:** None required.

### 16. OTHER INFORMATION

HMIS Hazard Rating:

|           |                 |               |
|-----------|-----------------|---------------|
| Health: 1 | Flammability: 3 | Reactivity: 1 |
|-----------|-----------------|---------------|

Full text of Classification abbreviations used in Section 2 and 3:

|      |                                      |
|------|--------------------------------------|
| H225 | Highly flammable liquid and vapor.   |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation.       |
| H336 | May cause drowsiness or dizziness.   |

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Data Sources: US NLM ChemID Plus and HSDB, Substance SDS for components, IUCLID Dataset EU Chemical Bureau, ESIS, Country websites for occupational exposure limits.

Manufacturer disclaimer:  
FOR DENTAL USE ONLY. The information and recommendations are taken from sources (raw material MSDS(s), SDS(s) and manufacturers knowledge) believed to be accurate; however, the manufacturer makes no warranty with respect to the accuracy of the information or the suitability of the recommendation and assumes no liability to any user thereof. Each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.