



Safety Data Sheet

Safety Data Sheet (in compliance with Regulation (EC) 1907/2006, Regulation (EC) 1272/2008 and Regulation (EC) 453/2010)

Document Number: SDS 042.005
Date Revised: 6/11/2019

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@dentaltch.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) Specific target organ toxicity, single exposure – may cause dizziness or drowsiness Category 3 (H336) 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 H336 May cause drowsiness or dizziness H317 May cause an allergic skin reaction H225 Highly Flammable liquid and vapor	P264 Wash hands thoroughly after handling. P280 Wear protective gloves/protective clothing/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. P337+P313 If eye irritation persists: Get medical advice/attention. P261 In contact with water releases flammable gas. P271 May cause fire or explosion; strong oxidizer. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 Call a POISON CENTER or doctor/physician. P403+P233 Store in a well ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/containers according to local and national regulations. P272 May intensify fire; oxidizer. P302+P352 IF ON SKIN: Gently wash with plenty of soap and water. P333+P313 IF SKIN irritation or rash occurs: Get medical advice/attention. P321 See section 4 of this document for specific treatment. P363 Wash contaminated clothing before reuse. P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion proof equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse SKIN with water/shower. P370+P378 In case of fire: evacuate area. 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 Eye Irrit. 2A, H319 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:

Eye	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.
Skin	Wash skin with soap and water. If irritation persists, consult a physician.
Inhalation	Move victim to fresh air. Give artificial respirator if breathing has stopped. Seek medical attention.
Ingestion	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:

Fire Fighting Procedures:	General: Evacuate all personnel; use protective equipment for firefighting.
Precautions for Fire Fighters:	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:

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

Supersedes: MSDS-042 Rev004

Date updated: 6/11/2019

Change Control Document #: DCN 6716

Revision Summary: June 11th, 2019: Converted MSDS to Reach SDS. Updated all sections.

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.