



**DENTAL
TECHNOLOGIES**

Safety Data Sheet

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

Document Number: SDS-075.002
Date Revised: 03/14/24

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

1.1 Product Identifier:

Trade Name (as labeled): Alginate Flavoring
Product Form: Mixture
Part/Item Number: 620-xx00 (xx denotes flavor variance)

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

Recommended Use: Orthodontics
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@dentaltech.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:

The product as manufactured is a liquid composed of chemical ingredients. No hazardous exposures are anticipated during normal product handling and use conditions.

GHS Classification:		
Health	Environmental	Physical
Eye Irritant, Category 2B, H319	Not hazardous	Not hazardous

2.2 Label Elements:

Hazard pictograms (GHS-US)



GHS07

Signal Word: Warning

Hazard Phrases	Precautionary Phrases
H319 – Causes serious eye irritation	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 attention.

2.3 Other Hazards: None known.**2.4 Unknown acute toxicity (GHS-US):** No data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances: None.**3.2 Mixture:**

Hazardous Components	C.A.S. #	Classification	WT %
Flavor	64-17-5 8006-90-4 104-55-2 98-55-5 8007-80-5 121-33-5 100-52-7 105-54-4 8008-56-8 8028-48-6 8008-57-9 119-36-8 4180-23-8 110-19-0	Flammable liquids, Category 4, H227 Flammable liquids, Category 2, H225 Eye irritation, Category 2A, H319 Specific target organ toxicity (Single Exposure) Central nervous system, Category 3, H336 Skin irritation, Category 2, H315 Skin sensitization, Category 1, H317 Specific target organ toxicity (Single Exposure) Respiratory system, H335 Acute toxicity, Category 5, Oral, H303 Acute aquatic toxicity, Category 2, H401 Acute toxicity, dermal, category 3, H311 Acute aquatic toxicity, category 3, H402 Chronic aquatic toxicity, category 3, H412 Acute toxicity, oral, category 4, H302 Acute toxicity, dermal, category 4, H312 Flammable liquids, Category 3, H226 Aspiration hazard, Category 1, H304	10-25%

The exact concentration is being withheld as a trade secret.

Refer to Section 16 for the full text of the GHS and EU Classifications.

4. FIRST AID MEASURES

4.1 Description of First Aid Measures:

Eye	Immediately flush victim's eye with large quantities of water for several minutes, holding the eyelids apart.
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Skin	Wash skin with soap and water.
Inhalation	If inhaled, remove to fresh air.
Ingestion	No expected to require first aid measures. Give several glasses of water to drink to dilute. If large amounts are swallowed, call a physician.

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

There are not expected to present a hazard under anticipated conditions of normal use.

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

Immediate medical attention should not be required except in cases of high quantities of ingestion or inhalation.

Note to Physicians (Treatment, Testing, and Monitoring): Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media: Water spray, carbon dioxide, dry chemical powder or appropriate foam.

5.2 Special Hazards Arising from the Substance or Mixture:





Emits toxic fumes under fire conditions. Containers may explode in heat or fire.

5.3 Advice for Fire-Fighters:

Fire Fighting Procedures: Use water spray to cool fire-exposed containers. Move containers from fire area. General: Evacuate all personnel; use protective equipment for fire-fighting.

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:

Remove all ignition sources such as open flames, spark producing equipment, pilot lights

Recommended Personal Protective Equipment for Containment and Clean-up:

EYES/FACE	HANDS	RESPIRATORY	SKIN
			

6.2 Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into environment must be avoided.

6.3 Methods and Material for Containment and Cleaning up:

In case of large spill, absorb on sand or vermiculite and place in closed containers for disposal. In case of small spill, wipe with paper towel and clean spill site with a detergent solution or all purpose cleaner.

6.4 Reference to Other Sections:

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Wash hands thoroughly after handling. Provide appropriate ventilation. For precautions see section 2.2.

7.2 Conditions for Safe Storage, Including Any Incompatibilities:

Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific End Use (s): No specific end use other than that mentioned in Section 1.2.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters: No additional information available.

8.2 Exposure Controls:

Appropriate Engineering Controls: None required under normal product handling conditions.



Individual Protection Measures (PPE)

Specific Eye/face Protection: Tightly fitting safety goggles. Use equipment for eye protection tested and approved under appropriate government standards.

Specific Skin Protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Specific Respiratory Protection: Where risk assessment shows air purifying respirators are appropriate use a full face respirator with multi-purpose combination or type ABEK respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards.

Specific Thermal Hazards: None known.

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:	1.00 – 1.07
Appearance:	Clear	Explosive limits:	No data available
Odor:	Characteristic of specific flavor	Vapor pressure (mmHg):	No data available
Odor threshold:	No data available	Vapor density:	No data available
pH:	No data available	Solubility(ies):	Partially soluble in water
Melting/freezing point:	No data available	Partition coefficient: n-octanol/water:	No data available
Initial boiling point and boiling range:	No data available	Auto-ignition temperature:	No data available
Flash point:	No data available	Decomposition temperature:	No data available
Evaporation rate:	No data available	Viscosity:	No data available
Flammability (solid, gas):	No data available	Oxidizing Properties:	No data available
Explosive Properties:	No data available		

9.2 Other Information: None.

10. STABILITY AND REACTIVITY

10.1 Reactivity: Stable at ambient temperature and under normal conditions of use.
10.2 Chemical Stability: Stable under recommended storage conditions.
10.3 Possibility of Hazardous Reactions: None known.
10.4 Conditions to Avoid: Exposure to light, elevated temperatures, and moisture.
10.5 Incompatible materials: Acid chlorides, acid anhydrides, oxidizing agents, and reducing agents.
10.6 Hazardous Decomposition Products: Carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Chronic Effects:	No chronic health effects reported.
Target Organs:	No target organs reported.
Carcinogenicity:	Not classified.

12. ECOLOGICAL INFORMATION

12.1 Toxicity: No data available.

12.2 Persistence and Degradability: No data available.

12.3 Bio-accumulative Potential: No data available.

12.4 Mobility in Soil: No data available.

12.5 Results of PBT and vPvB Assessment: No data available.

12.6 Other Adverse Effects: No data available.

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 all national and local regulations.

14. TRANSPORT INFORMATION

14.1. UN number

N/A

14.2. UN proper shipping name

N/A

14.3. Transport hazard class(es)

N/A

14.4. Packing group

N/A

14.5. Environmental hazards

No data available

14.6. Special precautions for user

No data available

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

No data available

15. REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:

U.S. Federal Regulations

Massachusetts Right to Know Components	Isobutyl acetate (CAS-No. 110-19-0) Lemon Oil (CAS-No. 8008-56-8) Ethyl butyrate (CAS-No. 105-54-4) Benzaldehyde (CAS-No. 100-52-7) Ethanol (CAS-No. 64-17-5)
Pennsylvania Right to Know Components	Isobutyl acetate (CAS-No. 110-19-0) (E)-Anethole (CAS-No. 4180-23-8) Methyl Salicylate (CAS-No. 119-36-8) Oils, peppermint (CAS-No. 8006-90-4) Cinnamaldehyde (CAS104-55-2) Orange Oil (CAS-No. 8008-57-9) Lemon Oil (CAS-No. 8008-56-8) Ethyl butyrate (CAS-No. 105-54-4) Benzaldehyde (CAS-No. 100-52-7) Vanillin (CAS-No. 121-33-5) Cinnamon bark oil (CAS-No. 8007-80-5) α -Terpineol (CAS-No. 98-55-5) Ethanol (CAS-No. 64-17-5)
New Jersey Right to Know Components	(E)-Anethole (CAS-No. 4180-23-8) Methyl Salicylate (CAS-No. 119-36-8) Oils, peppermint (CAS-No. 8006-90-4) Cinnamaldehyde (CAS-No. 104-55-2) Orange Oil (CAS-No. 8008-57-9) Lemon Oil (CAS-No. 8008-56-8) Ethyl butyrate (CAS-No. 105-54-4) Benzaldehyde (CAS-No. 100-52-7) Vanillin (CAS-No. 121-33-5) Cinnamon bark oil (CAS-No. 8007-80-5) α -Terpineol (CAS-No. 98-55-5) Ethanol (CAS-No. 64-17-5)
SARA 311/312 Hazards	Fire hazard, Acute health hazard, Chronic health hazard
SARA 302 Components	None
SARA 313 Components	None

15.2 Chemical Safety Assessment: None required.

16. OTHER INFORMATION

HMIS Hazard Rating:

Health: 1	Flammability: 1	Reactivity: 0
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Full text of Classification abbreviations used in Section 2 and 3:

H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H227	Combustible liquid
H302	Harmful if swallowed
H303	May be harmful if swallowed
H304	May be fatal if swallowed and enters airways

H311	Toxic in contact with skin
H312	Harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H412	Harmful to aquatic life with long-lasting effects

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Change Control Document #: DCN 6950, 9321

Revision Summary: September 5, 2019: Converted MSDS to Reach SDS. Updated all sections. March 14, 2024: Updated to revised GF-404 Rev001 Template.

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.