



**DENTAL
TECHNOLOGIES**

Safety Data Sheet

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

Document Number: SDS 115.004
Date Revised: 03/01/24

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

1.1 Product Identifier:

Trade Name (as labeled): Impression Tray Adhesive
Product Form: Mixture
Part/Item Number: 540-0100-002

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

Recommended Use: Adhesive
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:

GHS Classification:		Health	Environmental	Physical
Aspiration Hazard 1	(H304)	Not Hazardous	Flammable Liquid 2	(H225)
Skin Irritant 2	(H315)			
Eye Irritant 2	(H319)			
Specific Target Organ Toxicity, Single Exposure 3	(H373)			
Specific Target Organ Toxicity, Repeated Exposure 2	(H373)			
Reproductive Toxicity 2	(H361)			

2.2 Label Elements:

Hazard pictograms (GHS-US)



GHS02



GHS07



GHS08

Signal Word: Danger

Hazard Phrases	Precautionary Phrases
<p>H225 - Highly flammable liquid and vapor H304 - May be fatal if swallowed and enters airways H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation H336 - May cause drowsiness or dizziness H373 - May cause damage to organs through prolonged or repeated exposure H361 - Suspected of damaging fertility or the unborn child</p>	<p>P210 – Keep away from heat/sparks/open flames/hot Surfaces – No smoking. 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. P280 – Wear protective gloves/protective clothing/eye protection/face protection. 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: Use carbon dioxide, foam, or dry chemical for extinction. P403+P235 – Store in a well-ventilated place. Keep cool. P501 – Dispose of contents/container to appropriate location in accordance with local and national regulations. P301+P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331 – Do NOT induce vomiting. P405 – Store locked up. P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P264 – Wash hands thoroughly after handling. P302+P352 – IF ON SKIN: wash with plenty of soap and water. P321 – Specific treatment (see Section 4 on this label). P363 – Wash contaminated clothing before reuse. P337+P313P – IF eye irritation persists: Get medical advice/attention. P261 – Avoid breathing dust / fume / gas / mist / vapours/ spray. P271 – Use only outdoors or in a well-ventilated area. P403+P233 – Store in a well-ventilated place. Keep container tightly closed. P260 – Do not breathe dust/fume/gas/mist/vapours/spray. P314 – Get medical advice/attention if you feel unwell. P201 – Obtain special instructions before use. P202 – Do not handle until all safety precautions have been read and understood. P281 – Use personal protective equipment as required. P308+P313 – IF exposed or concerned: Get medical advice/attention.</p>

2.3 Other Hazards: None known.

2.4 Unknown acute toxicity (GHS-US): No data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances: Not Applicable

3.2 Mixture:

Hazardous Components	C.A.S. #	Classification	WT %
Isopropyl Alcohol	67-63-0	H225, H319, H335	25-50%
Polyamide Curing Agent	108-88-3/ 68139-75-3/ 67-63-0	H225, H304, H315, H319, H335, H336, H373, H361	50-75%

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	Flush with plenty of water for at least 15 minutes. Call a physician.
Skin	Wash exposed areas thoroughly with soap and water. Remove contaminated clothing.
Inhalation	Move to fresh air. If breathing is labored, administer oxygen.
Ingestion	Do not induce vomiting. Give large quantities of water or milk. Call physician.

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

Skin: Irritation, defatting, or dermatitis.

Eyes: Severe eye irritation, redness, tearing, or blurred vision.

Inhalation: respiratory irritation, dizziness, nausea.

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

Medical Attention should be sought if the product is ingested or comes in contact with eyes.

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

5. FIRE-FIGHTING MEASURES





5.1 Extinguishing Media: Carbon dioxide, dry chemical, or appropriate foam.

5.2 Special Hazards Arising from the Substance or Mixture:

May produce hazardous fumes.

5.3 Advice for Fire-Fighters:

Fire Fighting Procedures:	General: Evacuate all personnel; use protective equipment for fire-fighting. Wear full protective equipment including self-contained breathing apparatus, use water only as blanket. Water may spread fire (product floats on water).
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, etc. 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 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. Use non-sparking tools and equipment.

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 describe in Section 8. Wash thoroughly after handling. Keep away from heat, sparks, flames, and other sources of ignition.

7.2 Conditions for Safe Storage, Including Any Incompatibilities:

Store in a cool, dry, well ventilated area away from heat, direct sunlight, and all sources of ignition. Store away from

incompatible materials. Keep container tightly closed.

7.3 Specific End Use (s): No specific end use.

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: 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. Wash hands thoroughly after using.

Specific Respiratory Protection: Wear respirator with organic vapor cartridge. No extra protection is necessary with local exhaust.

Specific Thermal Hazards: None required.

Recommended Personal Protective Equipment

EYES/FACE	HANDS	RESPIRATORY	SKIN
			

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

Color:	Blue Green	Clarity:	Slightly Turbid
Appearance:	Viscous Liquid	Specific gravity:	0.855-0.865
Odor:	No data available	Refractive Index:	1.4364 – 1.4404
Odor threshold:	No data available	Vapor pressure (mmHg):	No data available
pH:	No data available	Vapor density:	> 1
Melting/freezing point:	No data available	Solubility(ies):	No data available
Initial boiling point and boiling range:	No data available	Partition coefficient: n-octanol/water:	No data available
Flash point:	57°F/14°C	Auto-ignition temperature:	No data available

Evaporation rate:	No data available	Decomposition temperature:	No data available
Flammability (solid, gas):	No data available	Viscosity:	No data available
Explosive Properties:	No data available	Oxidizing Properties:	No data available

9.2 Other Information: None available.

10. STABILITY AND REACTIVITY

10.1 Reactivity: Volatile 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, incompatible materials, flames, and other sources of ignition.

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

10.6 Hazardous Decomposition Products: Toxic fumes of carbon monoxide, 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 national and local regulations.

14. TRANSPORT INFORMATION

14.1. UN number

UN1993

14.2. UN proper shipping name

Flammable Liquids, N.O.S.

14.3. Transport hazard class(es)

3

14.4. Packing group

Not applicable

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:

U.S. Federal Regulations

EPA Registration Number: Not Applicable

TSCA – All intentionally added components of this product are listed on the US TSCA Inventory.

SARA 313/302/304/311/312 chemicals: Toluene

U.S. States

California: This product contains toluene which is known by the State of California to cause cancer, birth defects, and/or other reproductive harm.

15.2 Chemical Safety Assessment: None required.

16. OTHER INFORMATION

HMIS Hazard Rating:

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

H225	Highly flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H373	May cause damage to organs through prolonged or repeated exposure
H361	Suspected of damaging fertility or the unborn child

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Revision Summary: May 21, 2019: Converted MSDS to SDS. Updated all sections. May 5, 2020: Updated hazard categories due to changes in raw material SDS. March 1, 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.