

MATERIAL SAFETY DATA SHEET

SECTION I - Product/ Company Identification

1.1 Product Trade Name:	ALGINATE FLAVORING
1.2 Part (Item) Number(s):	451-001; 451-002; 451-003; 451-004; 451-005; 451-006; 451-007; 451-008; 451-009; 451-010; 451-011; 451-012; 451-013; 451-014; 451-015; 451-016; 451-017; 620-3100; 620-3100; 620-3300
1.3 Manufacturer:	DENTAL TECHNOLOGIES, INC.
1.4 Address:	6901 N. HAMLIN AVENUE
City, State, Zip:	LINCOLNWOOD, IL 60712 U.S.A.
1.5 Emergency Telephone Number:	(800) 424-9300 (Chemtrec)
1.6 Information Telephone Number:	(800) 835-0885 / (847) 677-5500
1.7 Date Revised:	16-May-03

SECTION II - Hazardous Ingredients/Identity Information

Hazardous Components:	CAS NO.	OSHA PEL	ACGIH TLV	OTHER LIMITS
Sodium Saccharin	[128-44-9]	15 mg/m	10 g/m	
Natural and synthetic flavoring substances generally recognized as safe in food.				

SECTION III - Physical/Chemical Characteristics

3.1 Boiling point:	N/A
3.2 Vapor pressure:	N/A
3.3 Vapor density:	N/A
3.4 Solubility in water:	Partially soluble.
3.5 Appearance and odor:	Sweet tasting oily liquid with a characteristic odor.
3.6 Specific Gravity: (H ₂ O = 1)	N/A
3.7 Melting Point:	N/A
3.8 Evaporation rate: (Butyl Acetate = 1)	N/A

SECTION IV - Fire and Explosion Hazard Data

4.1 Flash point (method used):	N/A
4.2 Flammability (explosive limits):	N/A
	LEL: N/A UEL: N/A
4.3 Extinguishing media:	Chemical foam, carbon dioxide or dry chemical.
4.4 Special Fire Fighting Procedures:	None
4.5 Unusual fire and explosion hazards:	None known

SECTION V - Reactivity Data

5.1 Stability:	Unstable:	Stable:	X
5.2 Conditions to avoid (stability):	Excessive heat and bright sunlight.		
5.3 Incompatibility (material(s) to avoid):	Avoid oxidizing agents.		
5.4 Hazardous decompositions or byproducts:	Know none.		
5.5 Hazardous polymerization:	May occur:	Will not occur:	X

SECTION VI - Health Hazard Data

6.1 Route(s) of entry:	Inhalation?: N/A	Skin?: Yes
	Ingestion?: Yes	
6.2 Health hazards (acute and chronic):	Saccharin has been listed by IARC, NTP, OSHA, or ACGIH as a carcinogen. This is sufficient evidence for the carcinogenicity of saccharin in experimental animals (IARC V.22, 1980; IARC S.4, 1982; IARC S.7, 1987). An IARC Working group reported that there is no adequate evidence of the carcinogenicity of saccharin in humans (IARC S.7, 1987). Occupational exposure has caused no known problems.	
6.3 Carcinogenicity:	NTP?: Yes	IARC monographs?: Yes
	OSHA Regulated?: Yes	
6.4 Signs and symptoms of exposure:	Mild skin irritation (itching, redness, and burning sensation).	

6.5 Medical conditions generally aggravated by exposure:

Mild eye irritation (stinging, tearing, and redness).
None known

6.6 Emergency first aid procedures:

Skin: Wash off with soap and water. If irritation occurs consult a physician.
Ingestion: If swallowed, immediately drink two glasses of water and induce vomiting by either giving ipecac syrup or by placing finger at back of throat. Seek medical attention immediately.
Inhalation: N/A
Eye Contact: Flush eyes with plenty of water, seek medical attention.

SECTION VII - Precautions for Safe Handling and Use

7.1 Steps to be taken in case material is released or spilled:

Clean up using gloves, wiping with paper towels. Dispose in an approved manner.

7.2 Waste disposal methods:

Current regulations requires handling saccharin as hazardous waste, in accordance with local, state, and federal (RCRA) regulations

7.3 Precautions to be taken in handling and storage:

Store 10C/50F to 24C/75F. Do not freeze.

7.4 Other precautions:

N/A

SECTION VIII - Control Measures

8.1 Respiratory protection:

Generally not necessary

8.2 Ventilation:

Local exhaust: Recommended
Mechanical: Normal ventilation

8.3 Protective gloves:

Recommended.

8.4 Eye protection:

Recommended.

8.5 Other protective clothing or equipment:

NONE

8.6 Work/Hygienic practices:

Normal safe practices. Use only in a highly professional manner.

NFPA HAZARD CLASSIFICATIONS	
Health	1
Flammability	0
Reactivity	0
Specific Hazard	N/A

NFPA - National Fire Protection Association
N/A - Not Applicable
N/E - Not Established