

MATERIAL SAFETY DATA SHEET

SECTION I - Product/ Company Identification

1.1 **Product Trade Name:** METAL CONDITIONER
1.2 **Part (Item) Number(s):** 543-0101-001
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 / (703) 527-3887 (Chemtrec)
1.6 **Information Telephone Number:** (800) 835-0885 / (847) 677-5500
1.7 **Date Revised:** 10-Nov-04 Rev.001

SECTION II - Hazardous Ingredients/Identity Information

Hazardous Components:	CAS NO.	OSHA PEL	ACGIH TLV	OTHER LIMITS
Methyl Methacrylate	[80-62-6]	100 ppm	100 ppm	

SECTION III - Physical/Chemical Characteristics

3.1 **Boiling point:** N/E
3.2 **Vapor pressure:** N/E
3.3 **Vapor density:** N/E
3.4 **Solubility in water:** Moderately Soluble.
3.5 **Appearance and odor:** Clear colorless liquid with a fruity odor.
3.6 **Specific Gravity:** (H₂O = 1) 0.94
3.7 **Melting Point:** N/E
3.8 **Evaporation rate:** (Butyl Acetate = 1) N/E

SECTION IV - Fire and Explosion Hazard Data

4.1 **Flash point (method used):** 10 °C c/c
4.2 **Flammability (explosive limits):**
LEL: N/E **UEL:** N/E
4.3 **Extinguishing media:** Foam, carbon dioxide, dry chemicals, water spray.
4.4 **Special Fire Fighting Procedures:** Fight advanced fires from a protected location. Use water spray to cool containers exposed to fire.
4.5 **Unusual fire and explosion hazards:** Uncontrolled polymerization may produce a rapid release of energy with the potential for an explosion of unvented closed containers. Vapors are heavier than air and may travel to sources of ignition.

SECTION V - Reactivity Data

5.1 **Stability:** **Unstable:** X **Stable:**
5.2 **Conditions to avoid (stability):** Heat and sources of ignition.
5.3 **Incompatibility (material(s) to avoid):** Avoid contact with acids,bases, oxidizing agents, reducing agents
UV light.
5.4 **Hazardous decompositions or byproducts:** None known
5.5 **Hazardous polymerization:** **May occur:** X **Will not occur:**

SECTION VI - Health Hazard Data

6.1 **Route(s) of entry:** **Inhalation?:** Yes **Skin?:** Yes
Ingestion?: Yes
6.2 **Health hazards (acute and chronic):** **Inhalation:** Inhalation of vapor or mist can cause irritation of the nose and throat. Repeated or prolonged exposure can cause headache, nausea, drowsiness and unconsciousness.
Eye Contact: May cause irritation and burning.
Skin Contact: Can cause moderate irritation. Repeated exposure can cause allergic reaction.

6.3 Carcinogenicity:	NTP?: N/A	IARC monographs?: N/A
	OSHA Regulated?: N/A	
	No carcinogens present.	
6.4 Signs and symptoms of exposure:	Inhalation overexposure: headache, dizziness, nausea, confusion, unconsciousness.	
6.5 Medical conditions generally aggravated by exposure:	Person with pre-existing skin sensitivity.	
6.6 Emergency first aid procedures:	Skin:	Wash skin with soap and water. If irritation persists consult a physician.
	Ingestion:	Induce vomiting and seek medical attention.
	Inhalation:	Move individual to fresh air. Give artificial respiration if breathing has stopped. Seek medical attention.
	Eye Contact:	Immediately flush eyes with 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:	Eliminate sources of ignition. Wear skin, eye and respiratory protection. Contain spills with inert material. Soak up liquid with absorbent material.
7.2 Waste disposal methods:	Dispose of waste in accordance with local, state, and federal regulations. Material is a hazardous waste (U162)
7.3 Precautions to be taken in handling and storage:	Keep away from heat, sparks, flame, direct sunlight and elevated temperatures.
7.4 Other precautions:	Material is highly volatile, keep containers tightly closed immediately after use.

SECTION VIII - Control Measures

8.1 Respiratory protection:	Use MSHA-NIOSH approved respirator for organic vapors.
8.2 Ventilation:	Local exhaust strongly recommended.
8.3 Protective gloves:	Disposable Vinyl gloves
8.4 Eye protection:	Splash goggles recommended
8.5 Other protective clothing or equipment:	Eye wash station. Chemical resistant apron.
8.6 Work/Hygienic practices:	Normal safe practices. Use only in a highly professional manner.

NFPA HAZARD CLASSIFICATIONS	
Health	1
Flammability	3
Reactivity	1
Specific Hazard	N/A

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