

# 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:** (H<sub>2</sub>O = 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	<b>Carcinogenicity:</b>	<b>NTP?:</b> N/A	<b>IARC monographs?:</b> N/A
		<b>OSHA Regulated?:</b> N/A	
		No carcinogens present.	
6.4	<b>Signs and symptoms of exposure:</b>	Inhalation overexposure: headache, dizziness, nausea, confusion, unconsciousness.	
6.5	<b>Medical conditions generally aggravated by exposure:</b>	Person with pre-existing skin sensitivity.	
6.6	<b>Emergency first aid procedures:</b>	<b>Skin:</b>	Wash skin with soap and water. If irritation persists consult a physician.
		<b>Ingestion:</b>	Induce vomiting and seek medical attention.
		<b>Inhalation:</b>	Move individual to fresh air. Give artificial respiration if breathing has stopped. Seek medical attention.
		<b>Eye Contact:</b>	Immediately flush eyes with water. Seek medical attention.

## SECTION VII - Precautions for Safe Handling and Use

7.1	<b>Steps to be taken in case material is released or spilled:</b>	Eliminate sources of ignition. Wear skin, eye and respiratory protection. Contain spills with inert material. Soak up liquid with absorbent material.
7.2	<b>Waste disposal methods:</b>	Dispose of waste in accordance with local, state, and federal regulations. Material is a hazardous waste (U162)
7.3	<b>Precautions to be taken in handling and storage:</b>	Keep away from heat, sparks, flame, direct sunlight and elevated temperatures.
7.4	<b>Other precautions:</b>	Material is highly volatile, keep containers tightly closed immediately after use.

## SECTION VIII - Control Measures

8.1	<b>Respiratory protection:</b>	Use MSHA-NIOSH approved respirator for organic vapors.
8.2	<b>Ventilation:</b>	Local exhaust strongly recommended.
8.3	<b>Protective gloves:</b>	Disposable Vinyl gloves
8.4	<b>Eye protection:</b>	Splash goggles recommended
8.5	<b>Other protective clothing or equipment:</b>	Eye wash station. Chemical resistant apron.
8.6	<b>Work/Hygienic practices:</b>	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**