

Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard.
29 CFR 1900, 1200 Standard must be
consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As used on label and list)
Ti-Core – New & Improved w/Titanium (Base)

SECTION I

Manufacturer's Name

Essential Dental Systems, Inc.

Address (Number, Street, City, State, Zip)

89 Leuning Street
South Hackensack, NJ 07606

Emergency Telephone Number

Telephone Number for Information

(201) 487-9090

Date Prepared

March 1, 2009

SECTION II - Hazardous Ingredients/Identity Information

Hazardous Components

(Specific Chemical Identity) OSHA PEL ACHIH TIV Recommended %Optional
AROMATIC AND ALIPHATIC DIMETHACRYLATES
INORGANIC PIGMENTS
NN'-DIHYDROXYETHYL P-TOLUIDINE

Other Limits

SECTION III -Physical/Chemical Characteristics

Boiling Point

NE

Vapor Pressure (mm Hg)

N/A

Vapor Density (AIR =1)

N/A

Solubility in Water

INSOLUBLE

Appearance and Odor

GRAYISH BLACK PASTE WITH CHARACTERISTIC ACRYLATE ODOR

Specific Gravity (H₂O = 1)

~ 1.9

Melting Point

N/A

Evaporation Rate (Butyl Acetate = 1)

N/A

SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method Used) Flammable Limits LEL UEL

N/A N/A N/A N/A

Extinguishing Media

DRY CHEMICAL FOAM, CO₂, DRY CHEMICAL

Special Fire Fighting Procedures

N/A

Unusual Fire and Explosion Hazards

MATERIAL MAY BURN IF EXPOSED TO FLAME.

SECTION V - Reactivity Data

Stability	Unstable	Conditions to Avoid
		HIGH TEMPERATURES

Stable
X

Incompatibility (Materials to Avoid)

N/A

Hazardous Decomposition or Byproducts

N/A

Hazardous Polymerization	May Occur
	X

Conditions to Avoid
HIGH TEMPERATURE, STRONG
OXIDIZERS AND PEROXIDES

Will not Occur

SECTION VI - Health Hazard Data

Routes of Entry:	Inhalation	Skin	Ingestion
	N/A	Yes	N/A

Health Hazards (Acute and Chronic)

None

Carcinogenicity: NTP IARC Monographs OSHA Regulated

NONE KNOWN

Signs and Symptoms of Exposure:

REPEATED CONTACT WITH SKIN MAY CAUSE REDDENING AND IRRITATION.

Medical Conditions Generally Aggravated by Exposure:

UNKNOWN

Emergency and First Aid Procedures:

EYES – FLUSH WITH COPIOUS AMOUNTS OF WATER. SKIN- WASH WITH SOAP AND WATER.

SECTION VII - Precautions for Safe Handling and Use:**Steps to Be Taken in Case Material is Released or Spilled:****Waste Disposal Method**

DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL AUTHORITIES

Precautions to Be Taken in Handling and Storing:

STORE AT OR BELOW ROOM TEMPERATURE AVOID MOISTURE CONTACT IN UNPOLYMERIZED STATE

Other Precautions

NONE

SECTION VIII - Control Measures**Respiratory Protection (Specify Type)**

N/A

Ventilation:	Local Exhaust	Special
N/A	N/A	N/A

	Mechanical (General)	Other
--	-----------------------------	--------------

Protective Gloves	Eye Protection
RECOMMENDED	RECOMMENDED

Other Protective Clothing or Equipment

N/A

Work/Hygienic Practices

GENERAL SAFE PRACTICES

The data given here is based on current knowledge and experience. The data does not signify any warranty with regard to the product's properties.

Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard.
29 CFR 1900, 1200 Standard must be
consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As used on label and list)

Ti-Core – New & Improved w/Titanium (Catalyst)

SECTION I

Manufacturer's Name

Essential Dental Systems, Inc.

Address (Number, Street, City, State, Zip)

89 Leuning Street

South Hackensack, NJ 07606

Emergency Telephone Number

Telephone Number for Information

(201) 487-9090

Date Prepared

March 1, 2009

SECTION II - Hazardous Ingredients/Identity Information

Hazardous Components

Other Limits

(Specific Chemical Identity) OSHA PEL ACHIH TIV Recommended %Optional

AROMATIC AND ALIPHATIC DIMETHACRYLATE MONOMERS

BENZOYL PEROXIDE

2,6-DI-TER BUTYL-P-CRESOL (BHT)

SECTION III -Physical/Chemical Characteristics

Boiling Point

NE

Specific Gravity (H₂O = 1)

~ 1.9

Vapor Pressure (mm Hg)

N/A

Melting Point

N/A

Vapor Density (AIR =1)

N/A

Evaporation Rate (Butyl Acetate = 1)

N/A

Solubility in Water

INSOLUBLE

Appearance and Odor

OFF WHITE PASTE WITH CHARACTERISTIC ACRYLATE ODOR

SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method Used)

N/A

Flammable Limits

N/A

LEL

N/A

UEL

N/A

Extinguishing Media

DRY CHEMICAL FOAM, CO₂, DRY CHEMICAL

Special Fire Fighting Procedures

N/A

Unusual Fire and Explosion Hazards

MATERIAL MAY BURN IF EXPOSED TO FLAME.

SECTION V - Reactivity Data

Stability	Unstable	Conditions to Avoid
		HIGH TEMPERATURES

Stable
X

Incompatibility (Materials to Avoid)

N/A

Hazardous Decomposition or Byproducts

N/A

Hazardous Polymerization	May Occur
	X

Conditions to Avoid
HIGH TEMPERATURE, STRONG
OXIDIZERS AND PEROXIDES

Will not Occur

SECTION VI - Health Hazard Data

Routes of Entry:	Inhalation	Skin	Ingestion
	N/A	Yes	N/A

Health Hazards (Acute and Chronic)

None

Carcinogenicity: NTP IARC Monographs OSHA Regulated

NONE KNOWN

Signs and Symptoms of Exposure:

REPEATED CONTACT WITH SKIN MAY CAUSE REDDENING AND IRRITATION.

Medical Conditions Generally Aggravated by Exposure:

UNKNOWN

Emergency and First Aid Procedures:

EYES – FLUSH WITH COPIOUS AMOUNTS OF WATER. SKIN- WASH WITH SOAP AND WATER.

SECTION VII - Precautions for Safe Handling and Use:**Steps to Be Taken in Case Material is Released or Spilled:****Waste Disposal Method**

DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL AUTHORITIES

Precautions to Be Taken in Handling and Storing:

STORE AT OR BELOW ROOM TEMPERATURE AVOID MOISTURE CONTACT IN UNPOLYMERIZED STATE

Other Precautions

NONE

SECTION VIII - Control Measures**Respiratory Protection (Specify Type)**

N/A

Ventilation:	Local Exhaust	Special
N/A	N/A	N/A

	Mechanical (General)	Other
--	-----------------------------	--------------

Protective Gloves	Eye Protection
RECOMMENDED	RECOMMENDED

Other Protective Clothing or Equipment

N/A

Work/Hygienic Practices

GENERAL SAFE PRACTICES

The data given here is based on current knowledge and experience. The data does not signify any warranty with regard to the product's properties.