

**Section 1 – Identification****Product Name:** Plasmaid 17% EDTA Solution**Manufacturer:** 3D DENTAL**Active Ingredient:** Ethylenediaminetetraacetate16781 Chagrin blvd. Suite 434 Shaker Heights, OH 44120  
**Information Contacts:** 877-605-8061**Emergency Phone Numbers:** US & Canada: (800)424-9300**Family:** Endo Irrigation Solutions**Product Use:** Root canal chelating conditioner and cleanser**Product #:** Various**Section 2 – Hazards Identification****Health:**

Acute Toxicity, Oral – Category 5 – H303 – May be harmful if swallowed

Skin Irritant – Category 3 – H316 – Causes mild skin irritation

Eye Irritant – Category 2B – H320 – Causes mild eye irritation

**Environmental:** Non-Hazardous**Physical:**

Not Applicable

**Label Elements:****GHS Label Elements:**The product is classified and labeled according to the Globally Harmonized System (GHS), OSHA HCS 2012 **Hazard****Pictograms:****Section 3 – Composition/Information on Ingredients**

Chemical Identity	CAS Numbers	EINECS#	%
Water	7732-18-5	231-791-2	77%
EDTA (Disodium ethylenediaminetetraacetate dehydrate)	6381-92-6	Unlisted	17%
Proprietary Ingredients	N/A	Unlisted	6%

See Section 16 for Hazard and Precautionary Statement Key.

**Section 4 – First Aid Measures**

Routes of Exposure	First Aid Instructions
Eye	Immediately flush with water for 15 minutes, holding the eyelids apart. Get medical help if discomfort persists.
Skin	Wash thoroughly with soap and water. Remove contaminated clothing. Get medical help if discomfort persists.
Ingestion	If greater than normal dose is swallowed, do not induce vomiting. Drink large quantity of water, milk or milk of magnesia. Contact Poison Control.
Inhalation	None needed under normal use conditions. If irritation develops, move to fresh air. Get medical attention if symptoms persist.

**Section 5 – Fire Fighting Measures**

Extinguishing Media:	Carbon dioxide, dry chemical foam, alcohol-resistant foam. Do not use water.
Fire Fighting Instructions:	Do not flush down sewers or other drainage systems. Exposed firefighters must wear NIOSH approved positive pressure, self-contained breathing apparatus with full-face mask and full protective clothing.
Unusual Hazards:	None
Combustion Products:	Ammonia and Nitrogen oxides under fire conditions.

**Section 6 – Accidental Release Measures**

Personal Precautions, Protective Equipment and Emergency Procedures:	Remove people from danger area. Keep away from ignition sources. Wear protective clothing, eye protection, gloves and respiratory protective device. Avoid contact with eyes and skin.
Environmental Precautions:	Do not allow product to reach sewage system or any water course. Do not allow to penetrate the ground. Report releases as required by local and national authorities.
Methods and Materials for Containment and Clean-up:	Ensure adequate ventilation. Collect using an inert non-combustible absorbent material and place in appropriate containers for disposal.

**Section 7 – Handling and Storage**

Precautions for Safe Handling:	Ensure good ventilation/exhaustion at the workplace. Avoid contact with the eyes and skin. Avoid breathing vapors. Keep product away from heat, sparks, flames and other sources of ignition. Use in accordance with package instructions.
Conditions for Safe Storage:	Store in a cool, well ventilated area away from oxidizing agents and direct sunlight. Avoid excessive heat and ignition sources. Do not store together with incompatible substances.

**Section 8 – Exposure Controls / Personal Protection****Occupational Exposure Limits:**

Water	ACGIH – Not Available NIOSH – Not Available OSHA – Final PELs – Not Available
Ethanol	ACGIH – Not Available NIOSH – Not Available OSHA – Final PELs – Not Available
Engineering Controls	Use with adequate general and local ventilation to minimize exposure levels.

**Personal Protective Equipment:**

General Measures:	To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.133), or European Standard EN166 be conducted before using this product.
Eye/ Face Protection:	Safety glasses / goggles or splash shields are required when handling. Ensure eye bath is on hand.
Skin Protection:	Use impermeable clothing to prevent ANY contact with this product, such as gloves, apron, boots, or whole body suit.
Respiratory Protection:	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN149. Always use a NIOSH or European Standard EN149 approved respirator when necessary.
Thermal Hazards:	Not Applicable

**Section 9 – Physical and Chemical Properties**

Appearance	Odor & Odor Threshold	pH	Relative Density	Viscosity	% Volatile
Clear, Colorless Liquid	Odorless	8.5	N/DA	N/DA	N/A

Boiling Point/ Freezing Point (°F/°C)	Decomposition Temperature	Octanol/Water Partitioning Coefficient Log Po/w	Vapor Pressure:	Vapor Density	Evaporation Rate	Ignition	Solubility In Water (20°C)
212/100	N/DA	N/DA	N/DA	N/DA	N/DA	N/A	Soluble

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)	Explosion Limits
N/A	N/A	N/A	N/A

**Section 10 – Stability and Reactivity**

<b>Chemical Stability:</b> Stable at ambient temperature	<b>Incompatible Materials:</b> Strong oxidizing agents
<b>Possibility of Hazardous Reactions:</b> None known	<b>Hazardous Decomposition Products:</b> Nitrogen Oxides, Carbon Monoxide, Carbon Dioxide, Ammonia and/or derivatives
<b>Conditions to Avoid:</b> Incompatible materials	

**Section 11 – Toxicological Information****Primary irritant effect:**

**Skin Contact:** May cause slight irritation.

**Eye Contact:** May cause eye irritation.

**Inhalation:** May cause respiratory tract irritation.

**Ingestion:** May cause respiratory and digestive tract irritation.

**Additional toxicological information:**

**Target Organ(s):** None Known.

**Chronic Effects:** No Information found.

**Acute Toxicity:** Not Toxic

**Acute Toxicity Values RTECS#**

**CAS #7732-18-5:** ZC0110000

**CAS #6381-92-6:** AH4410000

**LD/LC50:**

CAS#7732-18-5: Oral, rat: LD50=>90ml/kg; <BR CAS#6381-92-6:<BR

**NTP (National Toxicology Program)** None of the ingredients is listed.

**OSHA-CA Prop 65 (Occupational Safety & Health Administration)** None of the ingredients is listed.

**Clinical Experience:** This product has been used for root canal treatments for over 20 years. It is widely accepted and approved for endodontic practice. EDTA is considered to be a safe and effective treatment when used by dental professionals.

**Section 12 – Ecological Information**

Not established.

**Section 13 – Disposal Considerations**

<b>Regulations:</b>	Dispose in accordance with local and national environmental regulations.
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<b>Properties (Physical/Chemical) Affecting Disposal:</b>	None known.
<b>Waste Treatment Recommendations:</b>	None needed for normal anticipated use.

**Section 14 – Transport Information**

UN Number: N/A	
UN proper shipping name: N/A	
Hazard Class: N/A	U.S. DPT Labeling Requirements: N/A
Packing Group: N/A	IATA Class: N/A
IATA Packing Group: N/A	Non-hazardous material, not regulated. Not a DOT controlled material.

**US Federal Regulations**

Clean Air Act: HAP/ODS	This product contains the following HAP’s or ODS: None
Clean Water Act: Priority Pollutant	This product contains the following chemicals listed under the U. S. Clean Water Act Priority Pollutant and Hazardous Substance List: None
FDA: Food Packaging Status	This product has not been cleared by the FDA for use in food packaging and /or other applications as an indirect food-packaging additive.
Occupational Safety and Health Act	This product is not considered to be hazardous under the OSHA Hazard Communication Standard.
RCRA	This product contains the following chemicals considered to be hazardous waste under RCRA ( 40 CFR 261). None
SARA Title III: Section 302 (RQ)	This product contains no chemicals regulated under Section 302 as extremely hazardous substances.
SARA Title III: Section 302 (TPQ)	This product contains no chemicals regulated under Section 304 as extremely hazardous chemicals for emergency release notification (“CERCLA” List).
SARA Title III: Section 311-312:	This product is not considered to be hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR 370).
SARA Title III: Section 313:	This product contains the following chemicals which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: None
TSCA Section 8(b): Inventory: TSCA Significant New Use Rule:	This product does contain chemicals listed on the TSCA inventory or otherwise complies with TSCA pre-manufacture notification requirements. CAS# 7732-18-5

	None of the chemicals in this material have a SNUR under TSCA.
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**State Regulations:**

**California:** This product does not contain chemicals known to the State of California to cause cancer, birth defects or reproductive harm.

**European/International Regulations:**

**European Labeling in Accordance with EC Directives**

**Hazard Symbol(s) and Classification:** “Xi” – Irritant



**EU Risk (R) and Safety (S) Phrases:**

R36/37/38: Irritating to eyes, respiratory system, and skin.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S45: In case of accident or if you feel unwell, seek medical advice immediately.

S28B: After contact with skin, wash immediately with plenty of water and soap.

**WGK (Water Danger/Protection)**

CAS#7732-18-5: No information available.

CAS#6381-92-6: 2

**Canada – DSL/NDSL**

CAS#7732-18-5 is listed on Canada’s DSL List

CAS#6381-92-6 is listed on Canada’s DSL List

**Canada – WHMIS**

**WHMIS:** Not available

**Section 16 – Other Information**

**Hazard Rating System (Pictograms)**

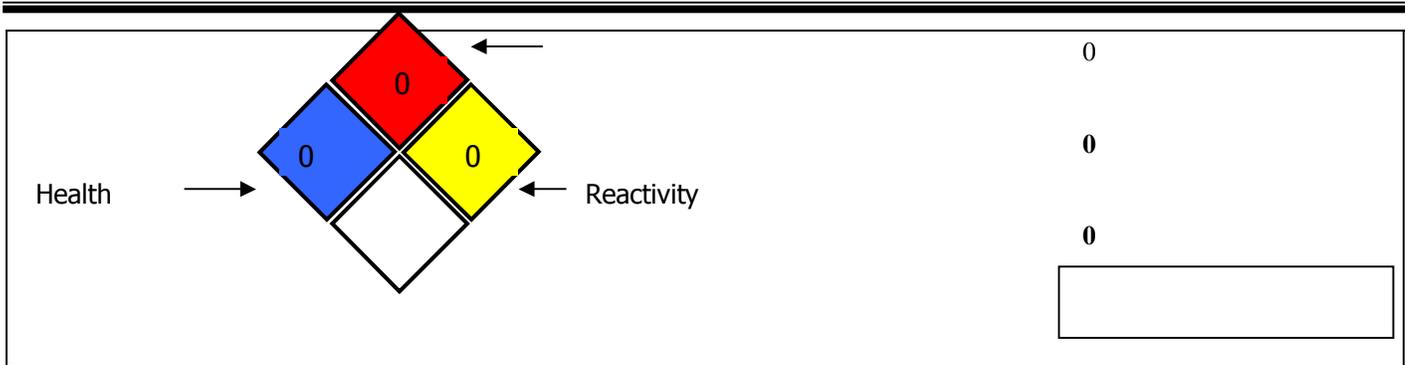
**NFPA:** \_\_\_\_\_

Document: SDS-001

Flammability

**HMIS:** \_\_\_\_\_

○	Health
○	Flammability



Abbreviations and acronyms:	
<b>GHS:</b>	Globally Harmonized System of Classification and Labeling of Chemicals
<b>HCS:</b>	Hazard Communication Standard (USA)
<b>SDS:</b>	Safety Data Sheet
<b>ECHA:</b>	European Chemicals Agency
<b>OSHA:</b>	Occupational Safety and Health Administration
<b>ADR:</b>	European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>IMDG:</b>	International Maritime Code for Dangerous Goods
<b>DOT:</b>	US Department of Transportation
<b>IATA:</b>	International Air Transport Association
<b>ACGIH:</b>	American Conference of Governmental Industrial Hygienists
<b>CAS:</b>	Chemical Abstracts Service (division of the American Chemical Society)
<b>NFPA:</b>	National Fire Protection Association
<b>HMIS:</b>	Hazardous Materials Identification System
<b>VOC:</b>	Volatile Organic Compounds
<b>LC50:</b>	Lethal Concentration, 50%
<b>LD50:</b>	Lethal Dose, 50%
<b>PBT:</b>	Persistent, Bioaccumulative and Toxic
<b>vPvB:</b>	very Persistent and very Bioaccumulative
<b>Xi:</b>	Irritant
<b>T:</b>	Toxic
<b>F:</b>	Highly Flammable

Date Sources:
OSHA – <a href="http://www.osha.gov/dts/chemicalssampling/toc/chmcas.html">www.osha.gov/dts/chemicalssampling/toc/chmcas.html</a>

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Revision History:	01/06/2016 Revision A
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