



## MATERIAL SAFETY DATA SHEET

Division of BioCeraX, Inc.

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### SECTION I - Identification

Product Name: **F10 PLATE FINISHER** Date : July 1, 2004  
Chemical Family : Aqueous Solution MSDS # : 64 79XX  
Medical Emergency Telephone : (708) 640 4800  
Transportation Emergency Telephone : CHEMTREC® 1 (800) 424 9300 Revision Date: 10/2004

### SECTION II - Hazardous Components (Typical Values)

INGREDIENTS	CAS NO.	WT%	ACGIH(TLV)	OSHA(PEL)
Non hazardous ingredients				

### SECTION III - Physical / Chemical Data

Boiling Point	: > 212°F (100°C)	Solubility in Water (by Weight)	: 100%
Melting Point	: 32°F (0°C)	Specific Gravity (H <sub>2</sub> O = 1)	: 1.018
Vapor Pressure	: 760 mm Hg @ 212°F 17.5 mm Hg @ 32°F	Composite Vapor Pressure	: Not Applicable
Evaporation Rate	: Not Applicable	pH	: 7.7
Volatile by Volume	: 100 %	Appearance	: Clear liquid
Volatile Organic Compound	: Not Applicable	Odor	: No odor

### SECTION IV - Fire and Explosion Hazard Data

Flash Point	: Not flammable		
Flammable Limits in Air	: Lower : None	Upper:	None
Extinguishing Media	: Not applicable		
Special Fire Fighting Procedures	: Not applicable		
Unusual Fire and Explosion Hazards	: Rapid temperature rise of liquid can result in explosive vaporization, particularly in a sealed container		

### SECTION V - Health Hazard Data / SARA - Title III Hazard Categories

- A. Acute Exposure Effects (Note: pertains to finished product)
- Eye contact : No effects noted
  - Skin contact : Prolonged but constant contact with liquid may cause a mild dermatitis.
  - Inhalation : Inhalation can result in asphyxiation and is often fatal.
  - Ingestion : Excessive ingestion of liquid form can cause gastric distress and mild diarrhea.
- B. First Aid (Applies to finished Product)
- Eyes : None
  - Skin : None
  - Inhalation : Remove to fresh air; provide artificial respiration; Provide oxygen.
  - Ingestion : None
- C. Chronic Health Effects (Note: Pertains to each ingredient listed in section 2 per 29 CFR Sect. 1910.1200)
- A computerized literature search of national databases did not yield any chronic effects associated with these materials.
  - Carcinogenicity Listing: NTP = No IAR = No OSHA = No

**SECTION VI - Reactivity Data**

Stability	: Stable.
Incompatibility	: Strong acids and strong alkalis can cause rapid heating. Reaction with sodium metal can result in explosion.
Hazardous Decomposition Products	: Hydrogen: explosive gas. Oxygen: supports rapid combustion. Oxides of carbon
Hazardous Polymerization	: Will not occur.

**SECTION VII - Disposal Information****Spill, Leak or Release**

Small quantities can be mopped or wiped up with rags. Large quantities should be directed to collecting basin or drain with dikes or swabs.

**Waste Disposal**

Process contaminated material through treatment plant prior to discharge into environment. Discharge permit may be required.

**SECTION VIII - Special Protection Information**

- A. Respiratory Protection : Sufficient room ventilation.  
B. Skin and Eye Protection : None required

**SECTION IX - Storage Conditions**

Store in a well ventilated area. Keep container tightly closed. Do not store with incompatible materials (See Section VI). Do not store or consume food, drink or tobacco in an area where they may become contaminated with this material.

**SECTION X - Hazardous Transportation Regulations**

NON REGULATED

**SECTION XI - Hazard Communication**

0 = Insignificant	HEALTH	= 0
1 = Slight	FLAMMABILITY	= 0
2 = Moderate	REACTIVITY	= 0
3 = High	SPECIAL	
4 = Extreme		

**SECTION XII - TSCA Information**

TSCA Listing : All ingredients in this finished product are listed on the EPA TSCA Inventory (See Section II).

**SECTION XIII - Federal EPA - SARA Title III Notification**

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (FOR SARA 313).

Components present in this product at a level which could require reporting under the statute are:

Chemical	CAS #	Upperbound Concentration - %
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\*\*\* NONE \*\*\*

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July 1, 2004<sup>PL</sup>