

EPICENTRE Biotechnologies
726 Post Road, MADISON WI 53713
Emergency Tel: 608-258-3080 or 800-284-8474 8:00 AM-4:30 PM Central Time
MATERIAL SAFETY DATA SHEET
Effective: 8/2010

Section 1: Chemical Identification

PF 96™ Solution 2 as a component of PLS84596 and FOS84596.

Section 2: Composition and Information on Hazardous Ingredients

<u>Component</u>	<u>SARA 313</u>
Proprietary Ingredient	No

Section 3: Hazards Identification

Note: The hazards information is for the powder form of the ingredient.

Appearance: Clear, colorless solution. Caution: May cause respiratory tract irritation. May cause eye and skin irritation.

Target organs: No data available.

Potential Health Effects:

Eye: Causes eye irritation. may cause chemical conjunctivitis.

Skin: Causes skin irritation.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Inhalation: Causes respiratory tract irritation.

Chronic: Effects may be delayed.

Section 4: First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15-20 minutes. Occasionally lift the upper and lower eyelids. Get medical assistance.

Skin: Get medical assistance. Flush skin with plenty of water. Remove contaminate clothing and shoes. Wash clothing before reuse.

Ingestion: If conscious and alert give exposed person 2-4 cups of milk or water. Never give anything oral to an unconscious person.

Inhalation: Prevent further exposure by removing person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical assistance.

Section 5: Fire Fighting Measures

General: Wear self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved or equivalent and full protective gear. The powder form in sufficient quantity is capable of a dust explosion.

Extinguishing media: Water spray, dry chemical, carbon dioxide or appropriate foam.

Autoignition temperature: Not available

Flash point: not available

Explosion limits lower and upper: Not available

NFPA rating (estimated): Health: 1 Flammability: 0 Instability: 0

Section 6: Accidental Release Measures

In case of spill use personal protective equipment listed in section 8.

Spills or leaks: Soak up material with a suitable absorbent material. Place material into a suitable disposal container. Clean up spills immediately, observing precautions.

Section 7: Handling and Storage

Handling: Remove contaminated clothing and wash before reuse. Minimize dust collection if solution has dried on surface. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use adequate ventilation.

Storage: Store in a tightly closed container. Store in a cool dry well-ventilated area away from incompatible substances.

Section 8: Exposure Controls/Personal Protection

Exposure limits: No exposure limits for ACGIH, NIOSH, or OSHA Final PELs.

Engineering controls: Eyewash station and safety shower. Use adequate ventilation.

Personal Protective Equipment:

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles per 29CFR 1910.133 or EN166.

Skin: Wear protective gloves to prevent skin exposure.

Clothing: Wear protective clothing to minimize skin contact.

Respirators: Use according to regulations.

Section 9: Physical and Chemical Properties

Physical state: clear colorless, pH 4.8 liquid

Section 10: Stability and Reactivity

Stability: Stable at room temperature in closed containers under normal storage and handling conditions. Decomposes when heated.

Incompatibility: Excess heat. Strong oxidizing agents.

Hazardous decomposition products: Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide

Hazardous polymerization: Will not occur

Section 11: Toxicological Information

LD50 oral rat = 3250 mg/kg

Carcinogenicity: Not listed by ACGIH, IARC, NIOSH, NTP or OSHA

No information available for epidemiology, teratogenicity, reproductive effects, neurotoxicity, or mutagenicity.

Section 12: Ecological Information

No information available.

Section 13: Disposal Considerations

Dispose material and container in accordance with appropriate federal, state and local laws and regulations. Recover and recycle if possible. Processed material may require different disposal methods. Not listed in RCRA P or U Series.

Section 14: Transport Information

No special considerations are known. Not regulated by IATA/USDOT.

Section 15: Regulatory Information

TSCA: Listed on TSCA inventory.

Not under chemical test rule or on Health and Safety Reporting list. Not on TSCA Section 12b. Does not have a SNUR under TSCA.

SARA: Does not have a CERCLA RQ, is not a Section 302 extremely hazardous substance and does not have a TPQ. Not reportable under Section 313.

Clean Air Act: This solution does not contain hazardous air pollutants, nor is it a class 1 or 2 ozone depletor.

Clean Water Act: Not listed as hazardous under CWA, nor is it a priority or toxic pollutant under CWA.

OSHA: Not considered highly hazardous by OSHA

This chemical is not present on CA, PA, MN, MA, FL or NJ state lists. CA: not listed as significant risk.

European labeling: hazard Symbols: NA Safety phrases S 24/225 Avoid contact with eyes and skin.

WGK: 1

Canada: listed on DSL list. Does not have WHMIS classification. Not on Canada's ingredient disclosure list.

Not a Class 1 or Class 2 chemical per CSCL.

Section 16: Other Information

The information herein is based on information from suppliers believed to be reliable; however, EPICENTRE makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages thereto. This document is offered solely as a guide for the customer's consideration, investigation and verification. These suggestions do not replace state, municipal and/or insurance requirements. Any use of this information must be determined by the user to be in accordance with applicable Federal, state and local regulations.