

**EPICENTRE BIOTECHNOLOGIES**  
**726 Post Road, MADISON WI 53713**  
**Emergency Tel: 608-258-3080 or 800-284-8474 7:30-4:30 Central**  
**MATERIAL SAFETY DATA SHEET**  
Effective: 8/2010

### Section 1: Chemical Identification

DNA Fragment Precipitation Solution as a component of CCECPCR1 and CCPCR1CC

### Section 2: Composition and Information on Hazardous Ingredients

<u>Component</u>	<u>% Wt</u>
Proprietary ingredient	15-30

### Section 3: Hazards Identification

No OSHA standards

May cause eye, skin or respiratory tract irritation

HMIS rating Health 0 Flammability 0 Physical hazards 0

NFPA rating Health 0 Flammability 0 Reactivity 0

### Section 4: First Aid Measures

**Eyes:** Flush eyes with plenty of water for at least 15-20 minutes, occasionally lifting upper and lower eyelids. Obtain medical assistance. Remove contact lenses before treatment.

**Skin:** Obtain medical assistance. Flush skin with plenty of water for at least 15-20 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

**Ingestion:** Never give anything by mouth to an unconscious person. Obtain medical assistance. Do **not** induce vomiting unless directed by medical personnel. If conscious and alert, rinse mouth and drink 2-4 cupfuls water. Wash mouth out with water.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical assistance.

**Notes to Physician:** Treat symptomatically and supportively.

### Section 5: Fire Fighting Measures

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand mode, MSHA/NIOSH (approved or equivalent), and wear full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Extinguishing Media:** In case of fire, use water, dry chemical, chemical foam, or alcohol-resistance foam. Use agent most appropriate to extinguish the fire.

Not considered an explosion or fire hazard.

**Explosion Limits, Lower and Upper:** Not available

**No Special Remarks Available for fire or explosion hazards.**

NFPA rating: Health 0 Flammability 0 Reactivity 0

### Section 6: Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Clean up spills immediately, observing precautions given in Section 8. If liquid evaporates, avoid dusty conditions. Provide ventilation. Follow local, regional and national disposal regulations and requirements. Avoid direct contact with skin or eyes. Store solution as directed in instructions and away from incompatible reagents.

### Section 7: Handling and Storage

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid breathing dust, vapor, mist, or gas. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

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

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## Section 8: Exposure Controls/Personal Protection

**Engineering controls:** Facilities storing or using this material should be equipped with an eyewash facility and safety shower. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

**Exposure limits:** No OSHA Final or vacated PELs, not NIOSH or ACGIH listed. Avoid repeated exposure.

**Respiratory protection:** Follow respirator rules 29CFR1910.134, European Standard EN149 or other appropriate standard. Use a NIOSH/MSHA or European EN 149 approved respirator if irritation or other symptoms are experienced.

**Personal Protective Equipment:** Wear appropriate clothing and gloves to prevent skin exposure. Wear protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29CFR1910.133 or EN 166.

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## Section 9: Physical and Chemical Properties

Form: dissolved solid; viscous solution

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## Section 10: Stability and Reactivity

**Stability:** Stable under normal conditions.

**Incompatibility:** strong oxidizing agents, strong bases and strong acids

**Hazardous decomposition products:** carbon and nitrogen oxides

**Hazardous polymerization:** Will not occur

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## Section 11: Toxicological Information

**Acute Effects:** May cause skin, eye or respiratory tract irritation

**Chronic Effects:** No component of product >0.1% is identified as carcinogen by IARC, NTP, OSHA or ACGIH.

**Irritation Data:** May cause eye, skin, mucous membrane and upper respiratory irritation

**Toxicity Data:** LD50 oral rat > 50,000 mg/kg; LD50 rabbit > 20,000 mg/kg; LD50 IPR-rat 6790 mg/kg

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## Section 12: Ecological Information

Ecology, Ecotoxicity & biodegradability: No information available.

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## 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.

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## Section 14: Transport Information

No special considerations. Not hazardous for transport. Not a DOT/IATA/IMDG controlled material.

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## Section 15: Regulatory Information

OSHA: No known hazards

TSCA Inventory: Yes

DSL: Listed on Canadian DSL

SARA 302: No RQ or TPQ

SARA 313: No.

SARA 311/312 No

RCRA: No

Chemical Weapons Convention: No

Canadian WHMIS: This MSDS contains information required per Controlled Products Regulations.

Not on CA or MA state lists.

California Prop 65; not known to cause cancer, birth or other defects.

Safety phase: avoid contact with skin and eyes.

HMIS rating: Health = Fire = Reactivity =

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## 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.