



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY INFORMATION

Product number: MCPZ-50 and MCPZ-50K
Product name: CPZ™ CRYOPRESERVATION MEDIUM (WITH DMSO)
Company: INCELL CORPORATION, LLC
Address: 12734 Cimarron Path
City/State/Zip: San Antonio, TX 78249
Phone: (210) 877-0100
FAX: (210) 877-0200

Emergency telephone number: Toll-Free: (800) 364-1765

Name: CPZ™
Catalog Number: MCPZ-50
Revision date: 04/15/08
Version: 1.0

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance name:	CPZ™ CRYOPRESERVATION MEDIUM		
	Percent: 100%	CAS#: None	SARA 313: No
Component name:	DIMETHYL SULFOXIDE (DMSO)—Added to final		
	Percent: 5-10% (v/v)	CAS#: 67-68-5	SARA 313: No
Component name:	PROPRIETARY AQUEOUS FORMULATION COMPONENTS		
	Percent: 90-95% (v/v)	CAS#: None	SARA 313: No

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Appearance: Clear, reddish tint liquid **Combustible:** No **Principle routes of exposure:** Skin or eyes.

Potential Health Effects

The toxicological properties of this substance have not been fully investigated. The product has been aseptically prepared as a sterile solution. The noted concerns and potential health effects primarily relate to the 5-10% dimethyl sulfoxide (DMSO), which is a component of the final product formulation. The remaining 90-95% components are salts, buffers, or carbohydrates that are in a dilute solution in water and should not pose any potential health effects.

Inhalation: May cause irritation of respiratory tract, but this is a low hazard with usual aseptic handling in biosafety hood.

Ingestion: May irritate digestive tract if swallowed, but this is a low hazard with usual aseptic handling in biosafety hood.

Skin contact: May cause allergic skin reaction, but this is a low hazard with usual handling that includes wearing gloves and a long-sleeved lab coat or gown, and with usual aseptic handling in biosafety hood.

Eye contact: Avoid contact with eyes. Use with barrier such as hood

Statements of hazard MAY CAUSE ALLERGIC SKIN REACTION.

NFPA ratings: Health:1; Flammability:1; Reactivity:0

4. FIRST AID MEASURES

General advice: In the case of accident or if you feel unwell, seek medical advice.

Inhalation: Move to fresh air. If not breathing give artificial respiration. If breathing, give oxygen. Call a physician immediately.

Skin contact: Rinse immediately with plenty of water and seek medical advice.

Ingestion: Do not induce vomiting without medical advice. If conscious and alert, wash out mouth with plenty of water.

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

Notes to Physician or First Aid Responders: Treat symptomatically and supportively.

Medical conditions aggravated by exposure: None known

5. FIRE FIGHTING MEASURES

Flash point: N/A **Autoignition temperature:** N/A

Suitable extinguishing media: Use dry chemical, CO₂, water spray or "alcohol" foam

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus and full protective gear to prevent contact with skin and eyes.

Specific hazards: Burning produces irritant fumes.

Unusual hazards: None known



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6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment, such as gloves and long-sleeved lab coat.

Environmental precautions: If product is added to drains it should only be done by also adding copious amounts of water to dilute the DMSO component in the product.

Methods for cleaning up: Can add absorbent, non-combustible material to spill, such as earth, sand or vermiculite. Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Storage: Refrigeration at 2-8°C in a tightly closed container.

Handling: Handle this product aseptically. Wash hands after use. Avoid contact with eyes, skin and clothing. Keep container tightly closed. Do not ingest or inhale. Avoid prolonged or repeated exposure.

Safe handling advice: Wear personal protective equipment (gloves and lab coat or gown with long sleeves) and handle aseptically in a biosafety hood.

Incompatible products: Oxidizing and spontaneously flammable products.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure proper storage facilities, biosafety hoods for handling, adequate ventilation and eyewash stations in case of exposure.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection: Breathing apparatus only if aerosol or dust is formed.

Hand protection: Compatible gloves resistant to DMSO.

Skin and body protection: Usual safety precautions (gloves and lab coats or long-sleeved gowns) while handling the product should provide adequate protection against this potential effect. Wash contaminated clothing before re-use.

Eye protection: Hood with safety glass, glasses or safety glasses/goggles with side-shields should provide adequate protection against this potential effect.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State:	Clear Liquid
Sterility:	Tests for microbial growth and mycoplasma are negative
pH:	6.9-7.5
Molecular Weight:	N/A
Melting point/range:	N/A
Boiling point/range:	N/A
Density:	N/A
Vapor pressure:	N/A
Evaporation rate:	N/A
Vapor density:	N/A
Solubility (in water):	N/A
Flash point:	N/A
Autoignition temperature:	N/A

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions of refrigeration at 2-8°C

Hazardous decomposition products: Thermal decomposition can lead to release of irritating gases and vapours such as carbon oxides. DMSO mixed with copper wool, trichloroacetic acid, potassium permanganate and oxidizing agents can result in potentially hazardous exothermic reactions.

Materials to avoid: Strong oxidizing agents

Conditions to avoid: Temperatures exceeding storage temperature and drying. Exposure to air or moisture over prolonged periods.

Polymerization: N/A



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11. TOXICOLOGICAL INFORMATION

Acute toxicity: No data is available on the product itself.

Chronic toxicity: No data is available on the product itself.

Local effects: No data is available on the product itself.

Specific effects: No data is available on the product itself. Product component DMSO (5-10%) may cause eye irritation, moderate to severe erythema (redness) and moderate edema (raised skin) on skin, and nausea, vomiting, headache or other effects if ingested.

Primary irritation: No data is available on product itself. Product component DMSO (5-10%) may irritate eyes or skin.

Carcinogenic effects: No data is available on the product itself.

Mutagenic effects: No data is available on the product itself.

Reproductive toxicity: No data is available on the product itself.

12. ECOLOGICAL INFORMATION

Mobility: No data available

Bioaccumulation: No data available

Ecotoxicity effects: No data available

Aquatic toxicity: No data available

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.

Contaminated packaging: Do not re-use empty containers

14. TRANSPORT INFORMATION

DOT

Proper shipping name: Not Regulated

UN/Id No: N/A; Not regulated

TDG (Canada): N/A; Not regulated

Hazard class: Non-controlled

Hazard Classifications: Not Applicable

PIH: Not PIH

IATA: Non-hazardous for air transport

15. REGULATORY INFORMATION

USA Classification and Product Information

Include statements as possible eye and skin irritant in product information.

International Regulations

USA SARA Listed: No

Canada WHMIS Classification: No

State Notification: N/A

16. OTHER INFORMATION

Disclaimer: For use only as directed. Not for household or other uses.

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End of Safety Data Sheet