



## SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY INFORMATION

**Product number:** ZSOLF-100 (ZSol:F™, 100 mL size)  
ZSOLM-500 (ZSol:M™, 500 mL size)  
ZSOLM-1000 (ZSol:M™, 1000 mL size)

**Product name:** ZSol™ Bioprocessing Buffer

**Company:** INCELL CORPORATION, LLC  
**Address:** 12734 Cimarron Path  
**City/State/Zip:** San Antonio, TX 78249  
**Phone:** 210.877.0100; 800.364.1765  
**FAX:** 210.877.0200

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

**Name:** ZSol™ Bioprocessing Buffer  
**Catalog Numbers:** ZSOLF-500; ZSOLM-500;  
ZSOLM-1000;  
**Revision Date:** 04Jan2016  
**Version:** 1.0

Table 1. Media Designations and Options

Media Designation	Volume Size	Item Numbers
ZSol:F™	100 mL	ZSOLF-100
ZSol:M™	500 mL	ZSOLM-500
ZSol:M™	1000 mL	ZSOLM-1000

## 2. HAZARDS IDENTIFICATION

## EMERGENCY OVERVIEW:

**Appearance:** Clear liquid

**Combustible:** No

**Principle routes of exposure:** Skin or eyes

## GHS Classification

Health		Physical	
Respiratory Tract Irritation	N/A	N/A	Category
Eye Irritation	N/A		
Skin Allergic Reaction	N/A		

**GHS Label:** N/A

**SIGNAL WORD:** N/A

**WHMIS Classification:** N/A

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Hazard Statements	Precautionary Statements
May cause allergic skin reaction	The toxicological properties of this substance have not been fully investigated.
May irritate digestive tract if swallowed.	Do not swallow.
May irritate the eyes	Avoid contact with eyes.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance name:** ZSol™ Bioprocessing Buffers

**Percent:** 100%

**CAS#:** None

**SARA 313:** No

**Component name:** PROPRIETARY AQUEOUS FORMULATION COMPONENTS: Salts, amino acids, buffers, and carbohydrates.

**Percent:** 100% (v/v)

**CAS#:** None

**SARA 313:** No

## 4. FIRST AID MEASURES

**General advice:** In the case of accident or if you feel unwell, or are having an allergic response, seek medical advice.

**Inhalation:** Move to fresh air. If not breathing, or having an acute allergic response, give artificial respiration, and call a physician immediately.

**Skin contact:** Rinse immediately with plenty of water. If having an allergic response, seek medical advice if needed.

**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. Seek medical advice, if needed.

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

**Medical conditions aggravated by exposure:** None known



## 5. FIRE FIGHTING MEASURES

**Flash point:** N/A      **Auto ignition temperature:** N/A  
**Suitable extinguishing media:** N/A  
**Special protective equipment for firefighters:** None  
**Specific hazards:** None known  
**Unusual hazards:** None known

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Aqueous solution has no known hazards. Use of personal protective equipment, such as gloves and a long-sleeved lab coat, as standard handling procedures for use of the product in cell or tissue transport and in cell culture applications.

**Environmental precautions:** Aqueous solution has no known hazards. If product is added to drains it can be done safely, usually with dilution by adding water upon discard of the product.

**Methods for cleaning up:** Can use standard absorbent toweling followed by trash discard, or may add absorbent, non-combustible material to spill, such as earth, sand or vermiculite. Sweep up and shovel into suitable disposal containers.

## 7. HANDLING AND STORAGE

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

**Handling:** Aqueous solution has no known handling hazards. Handle this product aseptically when in use for cell or tissue transport and in cell culture applications. Wash hands after use. Avoid contact with eyes, skin and clothing. Keep container tightly closed. Do not ingest or inhale.

**Safe handling advice:** No special safety handling is required. During use for in cell or tissue transport and in cell culture applications, wear personal protective equipment (gloves and lab coat or gown with long sleeves) and handle aseptically in a biosafety hood.

**Incompatible products:** Oxidizing, high or low pH materials, and spontaneously flammable products, or those that generate heat that can cause degradation.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

### PERSONAL PROTECTIVE EQUIPMENT

**Respiratory protection:** Breathing apparatus might be needed if aerosol or dust is formed from dehydrated or powdered product.

**Hand protection:** Compatible gloves for aqueous laboratory materials use.

**Skin and body protection:** No special safety handling is required. Wash exposed areas with soap and water. Usual safety precautions (gloves and lab coats or long-sleeved gowns) while handling the product for cell or tissue transport and in cell culture applications should provide adequate protection against this potential effect. Wash contaminated clothing before re-use.

**Eye protection:** No special safety handling is required. Hood with safety glass, glasses or safety glasses/goggles with side-shields should provide adequate protection.

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Clear Liquid
<b>Sterility:</b>	Tests for microbial growth and mycoplasma are negative
<b>pH:</b>	6.5-7.0
<b>Molecular Weight:</b>	N/A
<b>Melting point/range:</b>	N/A
<b>Boiling point/range:</b>	N/A
<b>Density:</b>	N/A
<b>Vapor pressure:</b>	N/A
<b>Evaporation rate:</b>	N/A
<b>Vapor density:</b>	N/A
<b>Solubility (in water):</b>	N/A
<b>Flash point:</b>	N/A
<b>Auto ignition temperature:</b>	N/A



## 10. STABILITY AND REACTIVITY

**Stability:** Stable under recommended storage conditions at room temperatures of 20-29° C.

**Hazardous decomposition products:** None      **Polymerization:** N/A

**Materials to avoid:** High heat, strong acids, bases, or oxidizing agents will degrade product.

**Conditions to avoid:** Temperatures exceeding storage temperature and evaporation.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** No data is available on product itself. None expected based on components and concentrations.

**Chronic toxicity:** No data is available on product itself. None expected based on components and concentrations.

**Local effects:** No data is available on product itself. None expected based on components and concentrations.

**Specific effects:** No data is available on product itself. None expected based on components and concentrations.

**Primary irritation:** No data is available on product itself. None expected based on components and concentrations.

**Carcinogenic effects:** None expected based on components. No data is available on the product itself.

**Mutagenic effects:** None expected based on components. No data is available on the product itself.

**Reproductive toxicity:** None expected based on components. No data is available on the product itself.

## 12. ECOLOGICAL INFORMATION

**Mobility:** None expected based on components. No data available on the product itself.

**Bioaccumulation:** None expected based on components. No data available on the product itself.

**Ecotoxicity effects:** None expected based on components. No data available on the product itself.

**Aquatic toxicity:** None expected based on components. No data available on the product itself.

## 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 as a standard nonhazardous aqueous solution or as advised by your local hazardous waste regulatory authority.

**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 if in powder form 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**