

MATERIAL SAFETY DATA SHEET

Gel Preservative for Coupons

Date of Issue: March 3, 2008

Date of Revision: March 3, 2008

NFPA Hazard Ratings

Fire – 1

Health – 0

Reactivity – 1

Special - None

1.0 MANUFACTURER INFORMATION

Manufacturer Name and Address	Emergency Contact Information
MSES Consultants, Inc 609 West Main Street Clarksburg, WV 26302	Contacts: Dave Fisher/Jason Rine Phone No.: (304) 624-9700

2.0 INGREDIENTS

CAS Number	Chemical Name	Percent	OSHA PEL	ACGIH TLV
7048-04-6	L-Cysteine hydrochloride monohydrate	<1 %	NA	NA
9012-36-6	Agarose	<1 %	NA	NA
1049-85-05	Buffered Phosphate Diluent, Magnesium Chloride, Sterile <ul style="list-style-type: none">▫ Potassium Dihydrogen Phosphate (0.0000004g/99ml)▫ Magnesium Chloride (0.04g/99ml)	>98 %	NA	NA

3.0 PHYSICAL & CHEMICAL PROPERTIES

Hazardous Decomposition:	NA	Incompatibility:	Avoid materials that are incompatible with water such as acid halides, phosphorus pentoxide, metallic sodium.
Form:	Gel	Odor:	Odorless
Appearance:	Colorless Gel	Color:	Colorless
Specific Gravity:	1	Boiling Point:	100 °C
Melting Point:	0°C	Solubility:	Complete in all portions
Volatile (by weight %)	99	Evaporation Rate:	NA
Vapor Pressure (mmHg@ 20°C)	17.5	Vapor Density:	NA
pH	7.0 – 7.5	Stability:	Stable under normal conditions
Viscosity SUS at 100°F	No data available		

4.0 FIRE AND EXPLOSIVE DATA

Flash Point:	NA	Explosive Limits:	NA
Flammable Limits:	NA	Extinguishing Media:	Use extinguisher agent suitable for surrounding fire (this product will not burn)

5.0 REACTIVITY DATA

Stability:	Stable
Materials to Avoid:	Avoid materials that are incompatible with water such as acid halides, phosphorus pentoxide, metallic sodium.

6.0 HEALTH HAZARD DATA

Inhalation:	Not Applicable	Carcinogenicity:	Not classified as a carcinogen.
Skin Contact:	Not Applicable	Acute Effects:	No data available
Eye Contact:	Not Applicable	Chronic Effects:	No effects of overexposure documented
Ingestion:	Not Applicable	Permissible Exposure Limit:	Not Applicable

7.0 PRECAUTIONS FOR SAFE HANDLING

- Keep container tightly closed.
- Suitable for any general chemical storage area.
- Protect from freezing.

8.0 CONTROL MEASURES

Ventilation:	Not Applicable
Personal Protective Equipment	
Respiratory Protection:	Not Applicable
Protective Gloves:	Not Applicable
Eye Protection:	Safety Glasses
Other Protective Equipment:	Lab Coat

9.0 SPILL AND LEAK PROCEDURES

Spill Clean-Up Procedures:	<ul style="list-style-type: none">▫ Absorb with an inert material such as sand, soil, or vermiculite.▫ Sweep up and dispose of in accordance with federal, state, and local regulations.
Waste Disposal Method:	Consult local, state, and federal regulations for proper disposal.

10.0 TRANSPORTATION DATA

D.O.T.: Not Regulated
Reportable Quantity:
Freight Classification: Chemicals, N.O.I.B.N.
Special Transportation Notes: None

11.0 ENVIRONMENTAL/SAFETY REGULATIONS

Section 313 (Title III Superfund Amendment and Reauthorization Act): This product does not contain any chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

The information contained in the MSDS is believed to be correct based on current available scientific data. New information may be developed and which may render it obsolete, and revisions to the MSDS will be required.