

# MATERIAL SAFETY DATA SHEET

## ClearPrep<sup>®</sup> Cytology Solution

Effective Date: August 31, 2014

### SECTION I – PRODUCT IDENTIFICATION AND COMPANY

Product Name: ClearPrep<sup>®</sup> Cytology Solution  
Catalog Numbers: CP11005, CP11006, CP11007, CP21006, CP21007, CP31006, CP31007,  
CP1LABV, CP1LABT, CP2LABV, CP2LABT, CP3LABV, CP3LABT  
Manufacturer/Supplier: Resolution Biomedical, Inc.  
3002 Dow Avenue, Ste. 132  
Tustin, CA 92780  
(949) 551-8000 phone  
(949) 207-3121 fax  
Emergency Contact: ChemTrec at (800) 424-9300

### SECTION II – COMPOSITION/COMPONENT DETAILS

#### Description:

INGREDIENTS	CAS NO.	OSHA PEL	ACGIH TLV	%
Ethanol	64-17-5	1000 ppm (TWA)	1000 ppm (TWA)	<15%
Isopropanol	67-63-0	400 ppm (TWA)	400 ppm (STEL)	<1%
Methanol	67-56-1	200 ppm (TWA)	200 ppm (TWA)	<1%

### SECTION III – HAZARDS IDENTIFICATION

Overview: Clear opalescent liquid

#### • Safety Ratings:

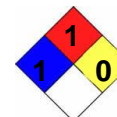
Wear suitable protective clothing, gloves and eye protection.  
Store at room temperature away from sources of ignition.

#### • HMIS Ratings:

Health: Slightly hazardous  
Flammability: Not flammable  
Reactivity: Stable  
Contact: Slight

#### • NFPA Ratings:

Health = 1  
Flammability = 1  
Reactivity = 0



#### • Potential Health Effects:

The toxicology of this compound has not been completely examined.

Inhalation: Not reported  
Ingestion: Can cause gastrointestinal irritation, nausea, vomiting, diarrhea.  
Skin contact: Possible to cause moderate irritation or dermatitis.  
Eye contact: Possible to cause irritation, redness, tearing, blurred vision.  
Chronic Exposure: Unknown  
Affect on preexisting conditions: Not reported

### SECTION IV – FIRST AID MEASURES

Inhalation: Remove from source of exposure and get medical attention for any breathing difficulty.  
Ingestion: Do not induce vomiting if patient is unconscious or extremely drowsy. Otherwise administer two glasses of water and induce vomiting. Get immediate medical attention even if symptoms improve.  
Skin Contact: Wash affected area with soap and water. Get medical advice if irritation develops.  
Eye Contact: In case of eye contact, flush with water for at least fifteen minutes and get medical attention.

### SECTION V – FIRE FIGHTING MEASURES

Flash point: 58°C (136°F) TCC  
Flammable Limits: LEL: NA, UEL: NA  
Fire: Water is ineffective against alcohol fires but may be used to cool adjacent containers.  
Fire Extinguishing Media: Use alcohol foam, carbon dioxide or dry chemical.

MSDS-CP11005-02



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Special information: Pyrolysis will release toxic carbon monoxide.

#### SECTION VI – ACCIDENTAL RELEASE MEASURES

No special precautions. Absorb with a suitable absorbent (such as paper towels) and dispose.

#### SECTION VII – HANDLING AND STORAGE

Store in closed container between 15° & 30° C.

#### SECTION VIII – EXPOSURE CONTROL/PERSONAL PROTECTION

*Airborne Exposure Limits:* See section II  
*Ventilation System:* Not required.  
*Personal Respirator:* Not required.  
*Skin protection:* Protective gloves are not required but recommended as part of good laboratory practice.  
*Eye Protection:* Laboratory safety goggles or similar products are not required but recommended as part of good laboratory practice.

#### SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

*Boiling Point:* 100°C  
*Density:* 1 - 1.03  
*Vapor pressure:* NA  
*Vapor Density (air = 1):* NA  
*Evaporation Rate (Ethanol = 1):* NA  
*Solubility:* NA  
*Appearance and Odor:* Clear opalescent liquid. Pleasant aromatic odor.

#### SECTION X – STABILITY AND REACTIVITY

*Stability:* Stable  
*Hazardous Decomposition Products:* None  
*Hazardous polymerization:* None  
*Incompatibilities:* None  
*Conditions to avoid:* None

#### SECTION XI – TOXICOLOGICAL INFORMATION

Chronic consumption of ethanol is believed to be linked to liver disease, cancer and birth defects.

Ingredients	Known			IARC Category
	Carcinogenicity?	NTP?	Anticipated?	
Ethanol	No	No	No	None
Methanol	No	No	No	None
Isopropanol	No	No	No	None

#### SECTION XII – ECOLOGICAL INFORMATION

*Environmental Fate:* Biodegradable  
*Environmental Toxicity:* None expected

Ethanol evaporates quickly and is not expected to bioaccumulate. The material is removed from the air by dry and liquid adsorption. The half-life for ethanol in the atmosphere is one to ten days.

#### SECTION XIII – DISPOSAL CONSIDERATIONS

The preferred disposal method is incineration. Localities may restrict the amounts of alcohols that may be flushed down the drain. Insure compliance with all government regulations.

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 SECTION XIV – TRANSPORTATION INFORMATION
 

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Transportation Information – Products covered by this MSDS, in their original form, are not regulated for transportation.

For finished packaged product transported by ground (US DOT): - not regulated – aqueous solutions of ethanol containing <24% are not subjected to regulation under these rules.

For finished packaged product transported by sea (IMDG): - not regulated – aqueous solutions of ethanol containing <24% are not subjected to regulation under these rules.

For finished packaged product transported by air (IATA): - not regulated – aqueous solutions of ethanol containing <24% are not subjected to regulation under these rules.

Canadian Shipping Classification: This product meets the requirements of the TDG Regulations TDG 1.33 Class3, Flammable Liquids: General Exemptions and TDG 2.18 (2) (a) and is not subject to the Dangerous Goods Regulations.

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 SECTION XV – REGULATORY INFORMATION
 

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INGREDIENTS	TSCA	EC	
Ethanol	Yes	Yes	<u>Chemical</u>
Methanol	Yes	Yes	<u>Inventory</u>
Isopropanol	Yes	Yes	<u>Status</u>

SARA 311/312: Acute: Yes    Chronic: Yes

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 SECTION XVI – OTHER INFORMATION
 

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This information is believed to be correct but is not warranted as such, nor does it purport to be all inclusive.