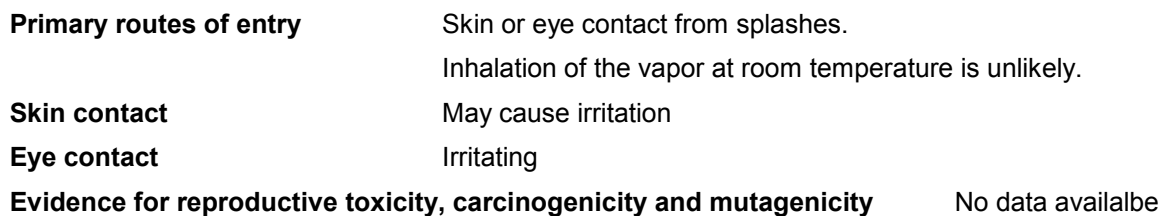




## SECTION 1. CHEMICAL INFORMATION

**Product Use :** Laboratory Reagent. For R&D use only. Not for drug, household or other uses.

## SECTION 2. HAZARDOUS IDENTIFICATION



### SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

### Buffer's Components in Water:

Reagent	CAS#	Concentration, %
2'-deoxycytidine-5' Triphosphate	None	10mM
Tris-HCl	77-86-1	≤ 0.98
EDTA	6381-92-6	≤ 0.04

## **SECTION 4. FIRST AID MEASURES**

### **After skin contact**

Wash skin with water and soap and rinse thoroughly. Remove contaminated clothing. Get medical attention if irritating occurs.

### **After eye contact**

Rinse opened eyes for several minutes under running water. Get medical attention if eyes become irritating.

### **After swallowing (ingestion)**

Rinse mouth. Drink plenty of water. Get medical attention if irritating or symptoms occur

### **Inhalation exposure**

If inhaled, remove to fresh air. If not breathing If breathing is difficult, give oxygen.give artificial respiration.

## **SECTION 5. FIRE FIGHTING MEASURES**

### **Extinguishing media**

Water spray

Carbon dioxide, dry chemical powder or appropriate foam.

### **Special firefighting procedures**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### **Unusual fire and explosions hazards**

Emit toxic fumes undrer fire conditions

**Flash Point : N/A**

**Autoignition Temp : N/A**

**Flammability : N/A**

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **Personal precautions**

Not required.

### **Environmental precautions**

Do not allow entering sewers, surfaces or ground water.

### **Measures for cleaning / collecting**

Collect spilled liquid with liquid-binding material or inert absorbent and place it in container for disposal. Wash spill site after material pickup is complete.

## **SECTION 7. HANDLING AND STORAGE**

### **Handling**

No special measures necessary. Good laboratory technique should be used when handling.

### **Storage**

Suitable: Keep tightly closed. No special measures necessary. Store at -20°C.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION □

### Exposure limits Eye protection Skin protection

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace

Hygiene measures Breathing equipment

### Avoid inhalation

Keep tightly closed store in a cool dry place. Freeze. Store at -20°C

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid.
Color	clear
Odor	Odorless.
Flash point	> 392 F, > 200°C
Explosive properties	No data available.
Vapor pressure	< 1 MMHG @ 20°C

## SECTION 10. STABILITY AND REACTIVITY

Stability	Stable.
Hazardous polymerization	Will not occur
Materials to Avoid	Strong oxidizing agents.
Hazardous Decomposition Products:	Carbon Monoxide, Carbon Dioxide, Nitrogen oxides.
Protect from heat and moisture	

## SECTION 11. TOXICOLOGICAL INFORMATION

Eye Contact:	Irritating to eyes
Skin Contact	Irritating to skin.
Multiple Routes	May be harmful by inhalation, ingestion, or skin absorption
Materials may be irritating to mucous membranes and upper respiratory tract.	
Preparations may cause allergic reactions in certain sensitive individuals.	

## SECTION 12. ECOLOGICAL INFORMATION

Data not yet available

## SECTION 13. DISPOSAL CONSIDERATIONS

Contact a licensed professional waste disposal service to dispose of this material.

Observe all federal, state and local environmental regulations

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

## SECTION 14. TRANSPORT INFORMATION

Contact ELPIS Biotech, Inc. Company for Transportation Information.

## **SECTION 15. REGULATORY INFORMATION**

### UNITED STATES REGULATORY INFORMATION

**SARA Listed** : No

### CANADA REGULATORY INFORMATION

**WHMIS Classification:** This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

**DSL:** No

**NDSL:** No

**Disclaimer** : For R&D use only. Not for drug, household or other uses.

**Warranty** : The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide

## **SECTION 16. OTHER INFORMATION**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.

ELPIS Biotech Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

Date of preparation of the first version : 2008. 08. 10.

Revised frequency and Date of preparation of the latest version : 2013. 05. 22. (2nd version)