



# MATERIAL SAFETY DATA SHEET

Company	ELPIS-Biotech. Inc.
Address	123-12 Jeonglim-dong, Seo-gu, Daejeon, Korea
Emergency Telephone NO	+82-42-581-8448
Fax	+82-42-581-8449
e-mail address	<a href="mailto:elpis@elpisbio.com">elpis@elpisbio.com</a>

## SECTION 1. CHEMICAL INFORMATION

Product name	Hind III Methylase
Cat. No.	EBR-3007

Enzyme (Hind III Methylase) in buffer solution. Volume of product package: 40ul.  
Supplied with: 10x Reaction buffer (1ml)

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

### Manufacturer/ Supplier information

Supply company : ELPIS-Biotech. Inc.  
Address : 123-12 Jeonglim-dong, Seo-gu, Daejeon, Korea  
Information service or emergency call : +82-42-581-8448 (042-581-8448, Korea)  
Department in charge : Research Department

## SECTION 2. HAZARDOUS IDENTIFICATION



**Primary routes of entry** : Skin or eye contact from splashes. Inhalation of the vapor at room temperature is unlikely.

**Potential Acute Health Effects**: Slightly hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation.

**Potential Chronic Health Effects**: CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to kidneys. Repeated or prolonged exposure to the substance can produce target organs damage.

**Evidence for reproductive toxicity, carcinogenicity and mutagenicity** : No data available

HMIS RATING - Health : 2 Flammability : 0 Reactivity : 0

## SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization : Mixtures

Description : Mixture of the substances listed below with nonhazardous additions.

### Buffer's Components in Water:

Reagent	CAS#	Concentration, %
Tris-HCl	77-86-1	< 1
Potassium chloride	7447-40-7	< 1
Dithiothreitol (DTT)	3483-12-03	< 1
Glycerol	56-81-5	< 50
EDTA	6381-92-6	< 1
BSA	None	< 1

### Components:

Glycerol	CAS: 56-81-5	EI;ECS: 200-289-5	≤ 50 %
water	CAS: 7732-18-5	EI;ECS: 231-791-2	25-50 %

**Other components** are not dangerous or their concentrations do not exceed the limits specified in the EU directive 1999/45/EC.

## 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

### After inhalation

If inhaled, remove to fresh air. If breathing is difficult, call a physician.

## 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 under fire conditions

**Prevent contact with skin and eyes.**

## 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

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

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Liquid.
<b>Color</b>	Clear
<b>Odor</b>	Odorless.
<b>pH</b>	5.5 ~ 8.0
<b>Melting point</b>	20°C
<b>Boiling point</b>	182°C
<b>Flash point</b>	> 392 F, > 200° C
<b>Explosive properties</b>	No data available.
<b>Vapor pressure</b>	< 1 MMHG @ 20°C

## SECTION 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable.
<b>Hazardous polymerization</b>	Will not occur
<b>Materials to Avoid</b>	Strong oxidizing agents, strong bases.
<b>Hazardous Decomposition Products:</b>	Carbon Monoxide, Carbon Dioxide
<b>Protect from heat</b>	

## SECTION 11. TOXICOLOGICAL INFORMATION

<b>Eye Contact:</b>	Irritating to eyes
<b>Skin Contact</b>	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.  
**Chronic effects** Target organs, Kidney

## **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.

This product does not contain hazardous compounds in quantities that require special handling precautions.

## **SECTION 15. REGULATORY INFORMATION**

### **International Inventories**

TSCA : listed / PICCS : listed / ENCS : listed / DSL : listed / AICS : listed

### **EU Additional Classification**

S: 23 24/25 Safety Statements: Do not breathe vapor. Avoid contact with skin and eyes.

### **U.S. Federal Regulations**

SARA 313 : This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61) : This product does not contain HAPs.

**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

## **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.

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