

**COMPANY IDENTITY:** Aster Bio, Inc.  
**PRODUCT IDENTITY:** ESP+

**SDS DATE:** 1/14/2026  
**ORIGINAL:** 7/10/2017

#### **SAFETY DATA SHEET**

This safety data sheet conforms to ANSI Z400.5 and to the format requirements and the International Chemical Safety Cards of the Global Harmonizing System. This SDS complies with 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD.) Important: Read this SDS before handling and disposing of this product. Pass this information on to customers, employees and users of this product.

#### **SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER**

**PRODUCT IDENTITY:** ESP+  
**PRODUCT USES:** Nucleic acid (DNA/RNA) preservative for environmental sample collection/preservation  
**COMPANY INFORMATION:** Aster Bio, Inc  
PO Box 27841  
Houston, TX 77227  
**CONTACT PHONE:** 1 (713)724-0082

#### **SECTION 2. HAZARDS IDENTIFICATION**

**PICTOGRAM:**



Exclamation

**SIGNAL WORD:**

Warning

**HAZARD STATEMENTS:**

H316 Causes mild skin irritation (CAT:3)

**PRECAUTIONARY STATEMENTS:**

P102 Keep out of reach of children  
P201 Obtain special instructions before use  
P202 Do not handle until all safety precautions have been read and understood

#### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Contains a proprietary preservative blend for use with environmental sampling. This product contains no substances that at their given concentrations are considered to be hazardous to health.

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

**EYE CONTACT:** Immediately flush with clear running water for 15 minutes. Get medical attention.

**SKIN CONTACT:** Rinse skin with clear water.

**INHALATION:** Avoid exposure to dusts and aerosols. If a dust or aerosol is formed, leave the area immediately and wait for dust or aerosol to settle or be removed before returning. Do not inhale dissolved product. If inhaled in any phase, see a doctor immediately.

**SWALLOWING:** Immediately drink large quantities of water. Get medical attention.

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

**FIRE & EXPLOSION PREVENTIVE MEASURES:** Product does not support combustion.

**EXTINGUISHING MEDIA:** Use carbon dioxide, dry chemical, water mist, or alcohol foam.

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

**PERSONAL PROTECTIVE EQUIPMENT:** Wear gloves if disposal requires handling.

**ENVIRONMENTAL PRECAUTIONS:** None.

**CONTAINMENT AND CLEAN-UP MEASURES:** Dilute with water and flush to sanitary sewer.

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

**HANDLING:** Wear gloves when handling. Keep out of reach of children. Follow all special instructions on use.

**STORAGE:** Keep container closed when not in use. Do not freeze.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY, VENTILATION, EYE, HAND & SKIN PROTECTION: Wear gloves and safety glasses with side-shields when handling.

## SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE: Clear liquid  
pH: 8.0  
BOILING POINT: ~100°C  
FLAMMABILITY: Not flammable  
Specific gravity: 1.15

ODOR: Moderate  
FREEZING POINT: ~0°C  
FLASH POINT: N/A  
VAPOR PRESSURE: ND  
SOLUBILITY IN WATER: Full

## SECTION 10. STABILITY & REACTIVITY

STABILITY: Stable.  
MATERIALS TO AVOID: None  
HAZARDOUS DECOMPOSITION PRODUCTS: None.  
HAZARDOUS POLYMERIZATION: Will not occur.

## SECTION 11. TOXICOLOGICAL INFORMATION

### ACUTE HAZARDS

EYE & SKIN CONTACT: Possible eye irritant.  
SWALLOWING: Possible gastric pain and vomiting if large quantities are ingested.

### CHRONIC HAZARDS

CANCER, REPRODUCTIVE, & OTHER CHRONIC HAZARDS: This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA, or ACGIH.

### MAMMALIAN TOXICITY INFORMATION

LD50 (Oral): ND

## SECTION 12. ECOLOGICAL INFORMATION

ENVIRONMENTAL EFFECTS: None.  
MOBILITY: Disperses in water.  
DEGRADABILITY: Biodegradable.  
ACCUMULATION: None likely.

## SECTION 13. DISPOSAL CONSIDERATIONS

All disposal must be in accordance with all federal, state and local regulations.

## SECTION 14. TRANSPORT INFORMATION

This product is a non-hazardous liquid for transport purposes.

## SECTION 15. REGULATORY INFORMATION

### 15.1 UNITED STATES REGULATIONS:

**U.S. SARA REPORTING REQUIREMENTS:** The components of this product are not subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

**U.S. SARA THRESHOLD PLANNING QUANTITY:** There are no specific Threshold Planning Quantities for the components of this product. The default Federal SDS submission and inventory requirement filing threshold of 10,000 lbs (4,540 kg) therefore applies, per 40 CFR 370.20.

**U.S. CERCLA REPORTABLE QUANTITY (RQ):** None

**U.S. TSCA INVENTORY STATUS:** The components of this product are listed on the TSCA Inventory or are exempted from listing.

**OTHER U.S. FEDERAL REGULATIONS:** None

**CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):** None of the ingredients within this product are on the Proposition 65 Lists.

### 15.3 EUROPEAN ECONOMIC COMMUNITY INFORMATION:

This product does not meet the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives. See Section 2 for full Details.

### 15.4 AUSTRALIAN INFORMATION FOR PRODUCT:

The components of this product are listed on the International Chemical Inventory list.

### 15.5 JAPANESE INFORMATION FOR PRODUCT:

JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS:

The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

**JAPANESE ENCS INVENTORY:**

The components of this product are on the ENCS Inventory as indicated in the section on International Chemical Inventories, below.

**POISONOUS AND DELETERIOUS SUBSTANCES CONTROL LAW:**

No component of this product is a listed Specified Poisonous Substance under the Poisonous and Deleterious Substances Control Law.

**15.6 INTERNATIONAL CHEMICAL INVENTORIES:**

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac: Listed or Exempt from listing

Australian Inventory of Chemical Substances (AICS): Listed or Exempt from listing

Korean Existing Chemicals List (ECL): Listed or Exempt from listing

Japanese Existing National Inventory of Chemical Substances (ENCS): Listed or Exempt from listing

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed or Exempt from listing Swiss Giftlist of Toxic Substances: Listed or Exempt from listing U.S. TSCA: Listed or Exempt from listing

**SECTION 16. OTHER INFORMATION**

HAZARD RATINGS (HMIS):

HEALTH: 1

REACTIVITY: 0

FLAMMABILITY: 0

PHYSICAL HAZARD: 0

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