



## SAFETY DATA SHEET

NAME OF PRODUCT: **Epinephrine**

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### 1: PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product Identifiers

**PRODUCT NAME:** Epinephrine  
**SYNONYMS:** Adrenalin  
**PRODUCT CODES:** 101311

#### 1.2 Details of the supplier of the safety data sheet

**MANUFACTURER:** Bio/Data Corporation  
**ADDRESS:** 155 Gibraltar Road, Horsham, PA 19044, USA  
**PHONE:** +1-215-441-4000

#### 1.3 Emergency information

**EMERGENCY:** Turn to nearest First Aid Station  
**EMERGENCY PHONE:** +1-215-441-4000 (Bio/Data Corporation)

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### 2: HAZARDS IDENTIFICATION

**2.1 GHS Classification:**  
Acute toxicity, Oral (Category 3) H301  
Acute toxicity, Inhalation (Category 3) H331  
Acute toxicity, Dermal (Category 2) H310

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### 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Component:** 3 x 0.5 mL Epinephrine Solution, 1 x 10<sup>-3</sup> M

**Chemical:** Biological Material  
**Formula:** C<sub>9</sub> H<sub>13</sub> N O<sub>3</sub>

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>CLASSIFICATION</u>
51-43-4	183.2	N/A	Acute Tox, 3; Acute Tox 2; H301+H331, H310

Note: Reagents do not contain dangerous substances in quantities higher than limits reported by 67/548/EEC and 1999/45/EC directives, and following modifications and amendments, about classification, labeling and packaging of dangerous preparations.

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## 4: FIRST AID MEASURES

- 4.1 General Advice:** Consult a physician, show safety data sheet to doctor in attendance
- 4.2 Inhaled:** Move person into fresh air, if not breathing give artificial respiration, consult a physician
- 4.3 Skin contact:** Wash off with soap and plenty of water; take victim to hospital immediately; consult a physician.
- 4.4 Eye contact:** Flush eye with water as a precaution.
- 4.5 Swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water, consult a physician

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## 5: FIRE-FIGHTING MEASURES

- 5.1 Extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- 5.2 Advice for firefighters:** Wear self-contained breathing apparatus if necessary for firefighters.

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## 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Precautions:** Wear respiratory protection, avoid dust formation, avoid breathing vapors, mist or gas. Ensure adequate ventilation
- 6.2 Environmental:** Prevent further leakage or spillage if safe to do, do not let product enter drains.
- 6.3 Clean up or Containment:** Pick up and arrange disposal without creating dust, sweep up and shovel, keep in suitable, closed containers for disposal

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## 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling:** Avoid contact with skin and eyes, avoid formation of dust and aerosols, further processing of solid matters may result in the formation of combustible dust. The potential for combustible dust formation should be taken into consideration before additional processing occurs.  
Provide appropriate exhaust ventilation at places where dust is formed.

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## 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Exposure:** Avoid contact with skin, eyes and clothing. Wash hands before any breaks and immediately after handling this product.
- 8.2 Personal protective equipment:** Eye/face – Face shield or safety glasses  
Skin Protection – Handle with gloves

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## 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

APPEARANCE	white flaky powder
COLOR	Clear and colorless
ODOR	N/A
pH	~7.4
BOILING POINT	N/A
MELTING POINT	215°C (419°F)
IGNITION TEMPERATURE	N/A
FLASH POINT	Non-flammable
EXPLOSION LIMIT	N/A
VAPOR TENSION	N/A
DENSITY	N/A
VAPOR PRESSURE	N/A
SOLUBILITY IN WATER	Soluble

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## 10: STABILITY AND REACTIVITY

10.1 STABILITY:	Stable
10.2 CONDITIONS TO AVOID (STABILITY):	N/A
10.3 HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	Acids, Acid chlorides, Acid anhydrides, Oxidizing Agents, alkalis, Copper, Silver/silver oxides, Zinc, Metals, tannins, sulfuric acid.
10.4 HAZARDOUS POLYMERIZATION:	Other decomposition products.
10.5 CONDITIONS TO AVOID (POLYMERIZATION):	None

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## 11: TOXICOLOGICAL INFORMATION

- 11.1 LD50 oral: not known.  
11.2 LD50: not known.  
11.3 LD50 skin: not known.  
11.4 LD50 inhalation: not known.  
11.5 Carcinogenicity: IARC, ACGIH, NTP, OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen.

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## 12: ECOLOGICAL INFORMATION

No Data Available

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## 13: DISPOSAL CONSIDERATIONS

- 13.1 Used reagents must be disposed of in accordance with local and federal regulations.

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## 14: TRANSPORT INFORMATION

- 14.1 Not Regulated - This product is not subject to current regulations for transportation of hazardous goods.

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## 15: REGULATORY INFORMATION

- 15.1 This Product does not require special labeling in accordance with the appropriate EEC directives.

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## 16: OTHER INFORMATION

This product is intended for IN VITRO diagnostic use only.

NOT FOR USE IN HUMANS.

The information herein is believed to be correct as of the date hereof and excludes any guarantee related with the final use given to the product, being the recipient the last responsible for observing the local laws applicable in each case.

