

# FLINN SCIENTIFIC, INC.

## Safety Data Sheet (SDS)

SDS #: 22.00

Revision Date: December 31, 2013

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Adrenaline

Flinn Scientific, Inc. P.O. Box 219 Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word **DANGER**

Pictograms



### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Acute toxicity, dermal (Category 3). Toxic in contact with skin (H311). Do not eat, drink or smoke when using this product (P270).

Hazard class: Skin and eye damage, corrosion or irritation (Category 2, 2A). Causes skin and serious eye irritation (H314+H319).

Hazard class: Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3). May cause respiratory irritation (H335). Avoid breathing dust or fumes (P261).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
DL+/-Adrenaline	329-65-7	C <sub>9</sub> H <sub>13</sub> NO <sub>3</sub>	183.21	
Synonym: Epinephrine				

### SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell (P312). **If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340). **If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing (P305+P351+P338). **If eye irritation persists:** Get medical advice or attention (P337+P313). **If on skin:** Wash with plenty of water (P302+P352). **If skin irritation occurs:** Get medical advice or attention (P332+P313). Remove immediately all contaminated clothing (P361). **If swallowed:** Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or physician.

### SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable, noncombustible solid.

When heated to decomposition, may emit toxic fumes.

**In case of fire:** Use a tri-class dry chemical fire extinguisher.

**NFPA CODE**

None

established

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Do not allow solid to become airborne. Ventilate area. Wipe up with a damp towel, place in a sealed bag or container, and dispose. Wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

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**SECTION 7 — HANDLING AND STORAGE**

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Flinn Suggested Chemical Storage Pattern: Organic #2. Store with alcohols, glycols, amines, and amides.

Light sensitive, may change color if exposed to light. Keep container tightly closed (P233). Store in a locked poison cabinet. Use only in a well-ventilated area or in a hood (P271).

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**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

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Readily absorbed through the skin in toxic amounts. Wear protective gloves, protective clothing, and eye protection (P280). Wash thoroughly after handling (P264). Use only in a hood or in a well-ventilated area (P271).

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Off white to light brown powder. Odorless.

Melting point: 197 °C (dl form)

Soluble: Sparingly in water or alcohol.

Melting point: 215 °C (l form)

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid exposure to light and heat.

Avoid contact with acids, acid chlorides, acid anhydrides, and oxidizers.

Shelf life: Fair to poor. Darkens upon exposure to light, heat, and air. See Section 7 for further information.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Readily absorbed through the skin in toxic amounts.

ORL-RAT LD<sub>50</sub>: N.A.

Skin, eye, and respiratory tract irritation.

IHL-RAT LC<sub>50</sub>: N.A.

Chronic effects: N.A.

SKN-RBT LD<sub>50</sub>: N.A.

Target organs: Heart, smooth muscle.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #26a is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping name: Toxic solids, organic, N.O.S. Hazard class: 6.1 Keep away from food. UN number: UN2811.

N/A = Not applicable

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**SECTION 15 — REGULATORY INFORMATION**

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EINECS-listed (206-347-6). RCRA code P042. (dl form)

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**SECTION 16 — OTHER INFORMATION**

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**Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals.**