



## **MEDICAL ISOTOPES, Inc.**

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### **SAFETY DATA SHEET**

#### **SECTION 1. Identification**

**Product:**

Product Name: (S)-(+)-Clenbuterol  
Catalog number: 8532

**Supplier:**

Medical Isotopes, Inc.  
100 Bridge Street  
Pelham, NH 03076 USA  
Tel: +1-603-635-2255 Fax: +1-603-635-2448  
Email: [info@medicalisotopes.com](mailto:info@medicalisotopes.com)

**Suitability:**

For laboratory use only.

#### **SECTION 2. Hazard(s) identification**

**Hazard classification:**

Acute toxicity, Oral (Category 3), H301

**Signal Word:**

Danger

**Hazard Statements:**

H301 Toxic if swallowed.

**Pictogram:**



**Precautionary Statements:**

P264 Wash skin thoroughly after handling.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician if you feel unwell.

**Other hazards:**

None

#### **SECTION 3. Composition/Information on Ingredients**

**Chemical name:**

(aS)-4-Amino-3,5-dichloro- $\alpha$ -[[(1,1-dimethylethyl)amino]methyl]benzenemethanol

**Synonyms:**

(+)-Clenbuterol; (S)-Clenbuterol

**CAS number:**

50499-60-0

**Impurities/Additives:**

N/A

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

**Skin Contact:** Wash with soap and water for several minutes. Consult a physician.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Inhalation:** Remove from exposure and move to fresh air immediately. Consult a physician.

**Eye Contact:** Rinse thoroughly with plenty of water. Consult a physician.

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

**Suitable extinguishing media**

Use water spray, foam, dry chemical or carbon dioxide.

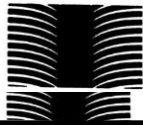
**Special protective equipment for firefighters**

Wear self contained breathing apparatus for fire-fighting if necessary.

**Hazardous combustion products:** Carbon oxides, nitrogen oxides, hydrogen chloride gas.

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

**Personal Precautions:** Make sure to wear appropriate protective equipment as listed in section 8. Avoid breathing dust, vapors, or mists.



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**Spill Clean-up Methods:** Clean up spills immediately, observing precautions in the Protective Equipment section. Cover with a non-combustible material (e.g. sand, earth, diatomaceous earth), sweep up, and place into a suitable container for disposal. Avoid breathing the resulting dust.

### **SECTION 7. HANDLING & STORAGE**

**Usage/Handling Precautions:** Make sure to wear appropriate PPE as listed in section 8. Avoid contact with skin and eyes.

**Storage Conditions:** Keep tightly closed and store at 2-8 °C.

### **SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION**

**Engineering Controls:** Use fumehood if available.

#### **Personal Protective Equipment**

**Eyes:** Always wear safety glasses when working with chemicals. Wear chemical goggles when working with liquids.

**Skin:** Wear protective gloves and a lab coat to prevent skin exposure.

### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** White Solid

**Odor:** N/A

**pH:** N/A

**Melting Point:** 125-128 °C

**Water Solubility (%):** N/A

**Flash Point (°C):** N/A

**Vapor pressure:** N/A

**Autoignition Temperature (°C):** N/A

**Flammability Limits in Air (% by Vol.):** N/A

### **SECTION 10. STABILITY & REACTIVITY**

**Reactivity:** N/A

**Chemical Stability:** Stable under recommended storage conditions

**Conditions to Avoid:** Strong oxidizing agents.

### **SECTION 11. TOXICOLOGICAL INFORMATION**

**Inhalation:** N/A

**Ingestion:** LD50 oral – rat 159 mg/kg

**Skin and eye contact:** LD50 Subcutaneous – rat 148 mg/kg

**Other:** LD50 Intraperitoneal – rat 67 mg/kg

### **SECTION 12. ECOLOGICAL INFORMATION**

N/A

### **SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal Procedures:** Via licensed disposal company. Dispose of according to federal, state/province and local regulations.

### **SECTION 14. TRANSPORT INFORMATION**

Not dangerous goods.

### **SECTION 15. REGULATORY INFORMATION**

N/A

### **SECTION 16. OTHER INFORMATION**

Preparation information: Last revised on 7/5/2015.

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