

## Safety Data Sheet

### Crotonoside

Cat#: orb701408

Revision Date: 11/20/2017

#### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Crotonoside

Product Number: orb701408

#### 2. HAZARDS IDENTIFICATION

##### OSHA Hazards

Harmful by ingestion, Irritant.

##### GHS Label elements, including precautionary statements



Pictogram

Signal word **Warning**

Hazard statement (s)

H302 Harmful if swallowed

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary statement (s)

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P330 Rinse mouth.

P501 Dispose of contents/container to an approved waste disposal plant.

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#### HMIS Classification

**Health hazard:** 1

**Flammability:** 0

**Physical hazards:** 0

#### NFPA Rating

**Health hazard:** 1

**Fire:** 0

**Reactivity Hazard:** 0

#### Potential Health Effects

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.

**Skin** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes** Causes serious eye irritation.

**Ingestion** Harmful if swallowed.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Name:** Crotonoside

**CAS#:** 1818-71-9

**Formula:** C<sub>10</sub>H<sub>13</sub>N<sub>5</sub>O<sub>5</sub>

**Molecular Weight:** 283.244

### 4. FIRST AID MEASURES

#### General advice

Consult a doctor. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

#### If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a doctor.

#### In case of skin contact

Wash off with soap and plenty of water. Consult a doctor.

#### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a doctor.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a doctor.

### 5. FIRE FIGHTING MEASURES

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### Special protective equipment for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Evacuate personnel to safe areas.

### Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

### Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

### Conditions for safe storage

Keep container tightly closed.

Recommended storage temperature: 2-8° C

Keep in a dry place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

### Personal protective equipment

#### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Hand protection

Handle with gloves.

#### Eye protection

Face shield and safety glasses.

#### Skin and body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

#### Hygiene measures

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** White to off-white solid

**Safe data**

pH	no data available
Melting point	237-241 °C (water)
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Water solubility	no data available
Solubility	Methanol, Water

**10. STABILITY AND REACTIVITY****Chemical stability**

Stable under recommended storage conditions.

**Conditions to avoid**

Incompatible materials, strong oxidants.

**Materials to avoid**

Strong oxidizing agents, strong bases.

**Hazardous decomposition products**

Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, nitrogen.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity data**

no data available

**Reproductive data**

no data available

**Serious eye damage/eye irritation**

no data available

**Respiratory or skin sensitization**

no data available

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

no data available

**Reproductive toxicity**

no data available

**Specific target organ toxicity - single exposure (GHS)**

no data available

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**Specific target organ toxicity - repeated exposure (GHS)**

no data available

**Aspiration hazards**

no data available

**Potential health effects**

<b>Inhalation</b>	May be harmful if inhaled. May cause respiratory tract irritation.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Skin</b>	May be harmful if absorbed through skin. May cause skin irritation.
<b>Eyes</b>	May cause eye irritation.

**Signs and Symptoms of Exposure**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 12. ECOLOGICAL INFORMATION

**Toxicity**

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**PBT and vPvB assessment**

no data available

**Other adverse effects**

no data available

## 13. DISPOSAL CONSIDERATIONS

**Product**

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging**

Dispose of as unused product.

## 14. TRANSPORT INFORMATION

**DOT (US)**

Not dangerous goods

### **IMDG**

Not dangerous goods

### **IATA**

Not dangerous goods

## **15. REGULATORY INFORMATION**

### **OSHA Hazards**

Harmful by ingestion, Irritant.

### **DSL Status**

This product contains the following components that are not on the Canadian DSL nor NDSL lists.

Adenosine, 2, 3-dihydro-2-oxo-

CAS-No. 1818-71-9

### **SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### **SARA 313 Components**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

### **SARA 311/312 Hazards**

No SARA Hazards

### **Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

### **Pennsylvania Right To Know Components**

Adenosine, 2, 3-dihydro-2-oxo-

CAS-No. 1818-71-9

### **New Jersey Right To Know Components**

Adenosine, 2, 3-dihydro-2-oxo-

CAS-No. 1818-71-9

### **California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## **16. OTHER INFORMATION**

This MSDS above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.