

# S-(+)-3-Quinuclidinol: sc-280073



The Power to Question

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** S-(+)-3-Quinuclidinol  
**Catalog number:** sc-280073  
**Supplier:** Santa Cruz Biotechnology, Inc.  
2145 Delaware Avenue  
Santa Cruz, CA 95060  
800.457.3801 or 831.457.3800  
**Emergency:** ChemWatch  
Within the US & Canada: 877-715-9305  
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

### 2. HAZARDS IDENTIFICATION

Causes burns.

**Classification:**

According to Regulation (EC) No1272/2008

Skin corrosion (Category 1B)

**Labeling and precautionary statements:**

Pictogram



Signal word

Danger.

**Hazard statement(s):**

H314

Causes severe skin burns and eye damage.

**Precautionary statement(s):**

P280

Wear protective gloves/eye protection/face protection.

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310

Immediately call a POISON CENTER or doctor/physician.

**Hazard symbol(s):**

C

Corrosive.

**R-phrases(s):**

R34

Causes burns.

**S-phrases(s):**

S22

Do not breathe dust.

S24/25

Avoid contact with skin and eyes.

S26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39

Wear suitable protective clothing, gloves and eye/face protection.

S45

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Molecular Formula:** C7H13NO  
**Molecular weight:** 127.18  
**CAS Number:** 34583-34-1  
**EINECS Number:** -

#### 4. FIRST AID MEASURES

**Eye contact:** Immediately flush eye with copious amounts of water for at least 15 minutes. Get medical aid immediately.

**Skin contact:** In case of contact remove contaminated clothing and immediately wash affected areas with copious quantities of water and soap for at least 15 minutes. Get medical aid immediately. Wash contaminated clothing before reuse.

**Inhalation:** Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. Get medical aid.

**Ingestion:** Do NOT induce vomiting. Wash out mouth with water provided person is conscious. Call a physician.

**Notes to Physician:** Treat symptomatically and supportively.

#### 5. FIRE-FIGHTING MEASURES

**Personal precautions:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Extinguishing media:** In case of fire use water spray, dry chemical powder, carbon dioxide, or alcohol-resistant foam.

#### 6. ACCIDENTAL RELEASE MEASURES

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Personal precautions:** Wear self-contained breathing apparatus, eye protection and gloves. Do not breathe dust. Avoid contact with skin and eyes. Avoid dust formation.

**Environmental precautions:** Do not let product enter the drains.

**Spills/Leaks:** Vacuum or sweep up material, place into a suitable disposal container and dispose of as hazardous waste. Clean up spills immediately, observing precautions in the Protective Equipment section.

#### 7. HANDLING AND STORAGE

**Handling:** Wear appropriate protective clothing - see Section 8. Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with skin and eyes. Avoid ingestion and inhalation.

**Storage:** Store in a cool, dry, well-ventilated area at room temperature. Keep container tightly closed.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

**Personal protection equipment:**

**Eye protection:** Wear appropriate protective safety glasses with side shields conforming to EN166, chemical safety goggles or face-shield (min. 8-inch) as described by OSHA's eye and face protection regulations. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

**Skin protection:** Wear appropriate protective gloves to prevent skin exposure, as defined in EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Body protection:** Appropriate protective clothing, overalls.

**Respiratory protection:** Where risk assessment indicates air-purifying respirators are required use a full-face respirator type N100 (US) or type P3 (EN 143) respirator cartridges in addition to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Respirators and components must be tested and approved under appropriate government standards - NIOSH (US) or CEN (EU).

**Hygiene measures:** Use good working practices. Wash hands and face thoroughly after handling. Safety shower and eye bath must be available. Do not breathe dust. Avoid prolonged or repeated exposure.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	solid	Odor	Data not available
Odor threshold	Data not available	pH	Data not available
Melting point	217 - 220 °C	Boiling point	120 °C/27 mbar
Flash point	Data not available	Evaporation rate	Data not available
Flammability	Data not available	Flammability or explosive limits	Data not available
Vapor pressure	Data not available	Vapor density	Data not available
Density	Data not available	Solubility	100g/100ml
Auto-ignition temperature	Data not available	Decomposition temperature	Data not available
Partition coefficient: n-octanol/water	Data not available	Viscosity	Data not available

## 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable under normal conditions.

**Conditions to avoid:** Heat, incompatible materials, dust generation.

**Incompatibilities with other materials:** Strong oxidizing agents.

**Hazardous decomposition products:** Irritating and toxic fumes and gases. Carbon oxides, nitrogen oxides (NO<sub>x</sub>).

**Hazardous polymerization:** Data not available.

## 11. TOXICOLOGICAL INFORMATION

**RTECS #:** Data not available.

**Acute toxicity:** Data not available.

**Skin corrosion/irritation:** Data not available.

**Serious eye damage/eye irritation:** Data not available.

**Respiratory or skin sensitization:** Data not available.

**Germ cell mutagenicity:** Genotoxicity in vivo: Hamster: Intraperitoneal: Cytogenetic analysis

**Carcinogenicity:**

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity:** Data not available.

**Specific target organ toxicity - single exposure:** Data not available.

**Specific target organ toxicity - repeated exposure:** Data not available.

**Aspiration hazard:** Data not available.

**Signs and symptoms of exposure:** Cough, shortness of breath, headache, nausea, vomiting. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

**Potential health effects:**

<b>Eye</b>	Causes eye burns.
<b>Skin</b>	May be harmful by skin absorption. Causes skin burns.
<b>Ingestion</b>	May be harmful if swallowed. Causes burns.
<b>Inhalation</b>	May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
<b>Chronic</b>	No information found.

## 12. ECOLOGICAL INFORMATION

Data not available.

## 13. DISPOSAL CONSIDERATIONS

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

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

This product is classified as hazardous for transport.

##### **RID/ADR**

Proper Shipping Name: CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (S-(+)-3-Quinuclidinol).

UN Number: 3263

Class: 8

Packing Group: II

##### **IMDG**

Proper Shipping Name: CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (S-(+)-3-Quinuclidinol).

UN Number: 3263

Class: 8

Packing Group: II

Marine Pollutant: No.

##### **IATA**

Proper Shipping Name: CORROSIVE SOLID, BASIC,  
ORGANIC, N.O.S. (S-(+)-3-Quinuclidinol).

UN Number: 3263

Class: 8

Packing Group: II

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

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

*The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.*

10/8/2013