

# Propionyl Glycine: sc-212592



*The Power to Question*

## MATERIAL SAFETY DATA SHEET

### 1. Product Information

**Product Name:** Propionyl Glycine  
**Product Number:** sc-212592  
**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. Composition/Information on Ingredients

**Category:** Substance  
**Chemical Formula:** C<sub>5</sub>H<sub>9</sub>NO<sub>3</sub>  
**Molecular Weight:** 131.13  
**CAS number:** 21709-90-0

### 3. Hazards Identification

Indication of danger



Pictogram

Signal word Warning / Xn

#### R-phrases(s)

R20/21/22 Harmful: danger of serious damage to health through inhalation, in contact with skin and if swallowed.

#### Hazard statement

H302 Harmful if swallowed.  
H332 Harmful if inhaled.  
H312 Harmful in contact with skin.

#### Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P262 Do not get in eyes, on skin, or on clothing.  
P403-233 Store in a well ventilated place. Keep container tightly closed.  
P202 Do not handle until all safety precautions have been read and understood.  
P270 Do not eat, drink or smoke when using this product.  
S24/25 Avoid contact with skin and eyes.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.  
S41 In case of fire and/or explosion do not breathe fumes.  
S45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).  
S3/7/9 Keep container tightly closed in a cool, well-ventilated place.

**Special note:** N/A

#### 4. First Aid Measures

**Inhalation:** If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately.

**Skin contact:** In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

**Eye contact:** In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

**Ingestion:** If swallowed, wash out mouth with water provided person is conscious. Call a physician.

#### 5. Fire Fighting Measures

**Suitable extinguishing media:** Water spray, carbon dioxide, dry chemical powder, or appropriate foam.

**Specific hazards:** May emit toxic fumes under fire conditions.

**Specific methods:** Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: remove movable containers if safe to do so.

**Special protective equipment for firefighters:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

#### 6. Accidental Release Measures

**Personal precaution procedures to be followed in case of leak or spill:** Evacuate area.

**Procedure(s) of personal precaution(s):** Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

**Methods for cleaning up:** Wipe dry, place a rag in a bag and hold for waste disposal. Avoid fumes inhaling. Ventilate area and wash spill site after material pickup is complete.

#### 7. Handling and Storage

**Handling:** Handling is performed in a well ventilated place. Wear suitable protective equipment. Do not breathe vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Wash hands and face thoroughly after handling.

**Storage:** Keep container tightly closed. Avoid overheating. Store in a dark place at room temperature.

**Special requirements:** N/A

#### 8. Exposure Controls / Personal Protection

**Engineering controls:** Install a closed system or local exhaust as possible so that workers should not be exposed directly. Install safety shower and eye bath.

**General hygiene measures:** Wash hands thoroughly after handling.

**Personal protective equipment**

**Respiratory Protection:** Government approved respirator.

**Hand Protection:** Compatible chemical-resistant gloves.

**Eye Protection:** Chemical safety goggles.

**Skin and body protection:** Protective clothing. Protective boots, if the situation requires.

#### 9. Physical and Chemical Properties

Physical state (20°C)	solid	pH	N/A
MP/MP Range (°C)	N/A	Flash Point	N/A
Flammability	N/A	Autoignition Temp	N/A
Oxidizing Properties	N/A	Explosive Properties	N/A
Explosion Limits	N/A	Vapor Pressure	N/A
SG/Density	N/A	Partition Coefficient	N/A
Viscosity	N/A	Vapor Density	N/A
Saturated Vapor Conc.	N/A	Evaporation Rate	N/A
Decomposition Temp.	N/A	Water Content, %	0.1878
Surface Tension	N/A	Conductivity	N/A
Solubility	N/A		

## 10. Stability and Reactivity

**Stability:** Stable under specified storage temperature.

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

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, nitrogen oxides

**Hazardous Polymerization:** Will not occur

## 11. Toxicological Information

Toxicological properties were not fully evaluated.

## 12. Ecological Information

N/A

## 13. Disposal Considerations

**Substance disposal:** 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. Observe all federal, state, and local environmental regulations.

## 14. Transport Information

Non-hazardous for air and ground transportation. Use appropriate safety measures.

## 15. Regulatory Information

Indication of danger



Pictogram

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## 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.*

5/1/2012