

# Prednisone 21-Aldehyde: sc-212581



The Power to Question

## MATERIAL SAFETY DATA SHEET

### Section 1 - Chemical and Company Information

*Chemical Name* **Prednisone 21-Aldehyde**  
*Catalog Number* **sc-212581**  
*CAS#* **70522-55-3**  
*Synonyms* **17-Hydroxy-3,11,20-trioxopregna-1,4-dien-21-al;**

*Supplier* **Santa Cruz Biotechnology, Inc.** *Emergency* **ChemWatch**  
**2145 Delaware Avenue**  
**Santa Cruz, California 95060**  
**800.457.3801 or 831.457.3800**  
**Within the US & Canada: 877-715-9305**  
**Outside the US & Canada: +800 2436 2255**  
**(1-800-CHEMCALL) or call +613 9573 3112**

### Section 2 - Hazardous Ingredients / Identity Information

The toxicological properties have not been tested, exercise due care.

**HMS Classification**

**Health hazard: 0 Flammability: 0 Physical hazards: 0**

### Section 3 - Physical/Chemical Characteristics

<i>Boiling Point</i> <b>N/A</b>	<i>Appearance and Odor</i> <b>Pale Yellow Solid</b>
<i>Vapor Pressure</i> <b>N/A</b>	<i>Specific Gravity(H<sub>2</sub>O=1)</i> <b>N/A</b>
<i>Vapor Density</i> <b>N/A</b>	<i>Melting Point</i> <b>N/A</b>
<i>Solubility in Water</i> <b>N/A</b>	<i>Evaporation Rate (Butyl Acetate=1)</i> <b>N/A</b>
<i>Molecular Weight</i> <b>356.41</b>	<i>Molecular Formula</i> <b>C<sub>21</sub>H<sub>24</sub>O<sub>5</sub></b>

### Section 4 - Reactive Data

<i>Stability</i> <b>Stable, hygroscopic store under inter gas</b>	<i>Incompatibility (Materials to Avoid)</i> <b>Oxidizing Agents</b>
<i>Conditions to Avoid</i> <b>strong oxidizers</b>	<i>Hazardous Polymerization</i> <b>will not occur</b>
<i>Hazardous Decomposition or Byproducts</i> <b>Toxic fumes of carbon monoxide, carbon dioxide</b>	

### Section 5 - Control Measures

<i>Respiratory Protection</i> <b>Niosh/Msha approved respirator</b>	<i>Ventilation</i> <b>Hood</b>
<i>Protective Gloves</i> <b>chemical resistant gloves</b>	<i>Eye Protection</i> <b>chemical safety goggles</b>
<i>Other Protective Clothing</i> <b>lab coat or apron</b>	<i>Other Protection</i> <b>safety shower and eye bath</b>

### Section 6 - First Aid Measures

*Inhalation* **If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.**

*Skin* **In case of contact, immediately rinse with copious amounts of water for 15 minutes, remove contaminated clothing and shoes**

*Ingestion* **If swallowed, rinse mouth out with water provide the person is conscious. seek medical attention**

*Eyes* **In case of contact, flush eyes with copious amounts of water for at least 15 minutes, separating the eyelids with fingers.**

### Section 7 - Health Hazard Data

*Health Hazards (Acute and Chronic)*

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

#### ROUTE OF EXPOSURE

**Skin Contact: May cause skin irritation.**

**Skin Absorption: May be harmful if absorbed through the skin.**

**Eye Contact: May cause eye irritation.**

**Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.**

**Ingestion: May be harmful if swallowed.**

**Prednisone derivative. An antiviral compound. Corticosteroid.**

*Medical Conditions Generally Aggravated by Exposure* **To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Exercise due care.**

### Section 8 - Precautions for Safe Handling and Use

*Steps to be Taken in Case Material is Released or Spilled* **wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.**

*Waste Disposal Method* **dissolve or mix 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**

*Precautions to Be Taken in Handling and Storage* **Do not get in eyes, skin, clothing. Do not pipet by mouth. Do not breathe vapor. Keep tightly closed. Wash thoroughly after handling. Refrigerate. Store below 0° C**

### Section 9 - Fire and Explosion Hazard Data

*Extinguishing Media* **Extinguishing Media: water spray. Carbon Dioxide, Dry Chemical Powder, Alcohol or Polymer Foam.**

*Special Fire Fighting Procedures* **Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.**

*Unusual Fire and Explosion Hazards* **Emits toxic fumes**

### Section 10 - Transportation Information and regulatory information

#### DOT

**Proper Shipping Name: None**

**Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.**

#### IATA

**Non-Hazardous for Air Transport: Non-hazardous for air transport.**

*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.*

01/18/2011