



American  
Custom  
Chemicals  
Corporation

American Custom Chemicals Corporation  
P.O. Box 262527,  
San Diego, CA 92196-2527 , USA

# SAFETY DATA SHEET

**PRODUCT NAME: PREDNISOLONE**

## SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION

American Custom Chemicals Corporation

P.O. Box 262527,

San Diego, CA 92196-2527 , USA

Phone: 858-201-6118

Fax: 858-451-8607

Skype: acccorporation

E-mail: [sales@acccorporation.com](mailto:sales@acccorporation.com)

Website: [www.acccorporation.com](http://www.acccorporation.com)

**Date:** Jan 04, 2019

**Name:** PREDNISOLONE

**CAS Number:** 50-24-8

**Catalog Number:** API0028617

**Category:** COMPOUNDS

**Sub Category:** API

**Therapeutic Area:** INFLAMMATORY DISEASES

**Ec\_No:** 200-021-7

## SECTION 2: CHEMICAL IDENTIFICATION

**Substance Name:** PREDNISOLONE

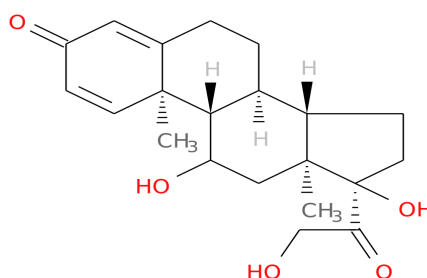
**CAS Number:** 50-24-8

**Alternate Name:** 1,4-PREGNADIENE-11B,17A,21-T  
RIOL-3,20-DIONE,11BETA,17ALP HA,21-TRIHYDROXY-1,4-  
PREGNADIENE-3,20-DIONE,DEHYDROHYDRO  
CORTISONE

**Molecular Formula:**  $C_{21}H_{28}O_5$

**Molecular Weight:** 360.44

**RTECS Number:** 717



## SECTION 3: HAZARDOUS IDENTIFICATION



### Hazardous Information:

Not considered hazardous when handled under normal conditions with good housekeeping.

### NFPA Ratings:

**Health:** 1

**Flammability:** 0

**Instability:**

### Human Hazards:

**H302:** Harmful if swallowed.

### GHS Classification:

**Category 4:** Acute toxicity, Oral.

### Precautionary Statements:

**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 if you feel unwell.

**P330:** Rinse mouth.

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

**Signal Word:** Warning.

## SECTION 4: FIRST AID MEASURES

**In case of inhalation:** Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical aid.

**In case of contact with skin:** Immediately flush skin with running water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Obtain medical aid immediately.

**In case of contact with eyes:** Immediately flush open eyes with running water for at least 15 minutes. Obtain medical aid immediately.

**In case of ingestion:** Do not induce vomiting without medical advice. Rinse mouth with water. Never administer anything by mouth to an unconscious person. Obtain medical aid immediately.

**General Advice:** Immediately remove any clothing contaminated by the product. Move out of dangerous area. Consult a physician and show this safety data sheet.

## SECTION 5: FIRE FIGHTING MEASURES

**Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.

**Special Fire Fighting Procedures:** As in any fire, wear a NIOSH-approved or equivalent, pressure-demand, self-contained breathing apparatus and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Specific Hazard(s):** Carbon oxides.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Procedure To Be Followed In Case Of Leak Or Spill:** Ensuring personal safety, mark out contaminated area with signs and prevent unauthorized access. Turn leaking containers up to prevent further leakage. Evacuate area.

**Procedures Of Personal Precautions:** Wear protective equipment and keep unprotected personnel away. Ensure adequate ventilation. Remove all sources of ignition. Prevent further leak or spill if safe to do so.

**Methods For Cleaning Up:** Prevent further leak or spill if safe to do so. Vacuum, sweep up, or absorb with inert material and place into a suitable disposal container. Consult local regulations for disposal.

**Environmental Precautions:** Do not let product enter drains, other waterways, or soil.

## SECTION 7: HANDLING AND STORAGE

**Handling:** Avoid contact with skin, eyes, and personal clothing. Wash hands thoroughly after handling. Avoid breathing fumes. Use only with adequate ventilation. Wear suitable protective clothing, gloves, and eye/face protection. Keep away from sources of ignition. Minimize dust generation and accumulation. Keep container tightly closed. Open and handle container with care. Do not eat, drink, or smoke while handling.

**Storage:** Store in a tightly-closed container when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from sources of ignition.

## SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

**Industrial Hygiene:** Immediately change contaminated clothing. Wash hands and face after working with substance.

**Engineering Controls:** Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately after handling the product. Facilities storing or utilizing this material should be equipped with an eyewash fountain. Use adequate general and local exhaust ventilation to keep airborne concentrations low.

**Personal Precautions:** Wear protective equipment and keep unprotected personnel away. Ensure adequate ventilation. Remove all sources of ignition. Prevent further leak or spill if safe to do so.

**Respiratory Protection:** Respirators are not a substitute for accepted engineering control measures such as enclosure or confinement of the operation, general and local ventilation, and substitution of less toxic materials. When respiratory personal protective equipment is appropriate based on an assessment of respiratory hazards in the workplace, use a NIOSH- or CEN-certified respirator.

**Hand Protection:** Wear gloves selected based on an evaluation of the possible hazards to hands and skin, the

duration of use, the physical conditions of the workplace, and the chemical resistance and physical properties of the glove material.

**Eye Protection:** Based on an evaluation of the eye or face hazards present, wear chemical splash-resistant safety glasses or goggles with side protection. A face shield may be appropriate in some workplaces. Use eyewear tested and approved under appropriate government standards such as OSHA 29 CFR 1910.133 or EU EN166.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** WHITE TO OFF-WHITE POWDER

**Melting Point:** 240 °C

## SECTION 10: STABILITY AND REACTIVITY

**Chemical Stability:** Stable under recommended temperatures and pressures.

**Hazardous Decomposition Products:** Carbon oxides.

**Incompatibilities With Other Materials / Materials To Avoid:** Strong oxidizing agents.

**Conditions to be avoided / Conditions of instability:** Dust generation.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Route Of Exposure:** Inhalation, eye contact, skin contact, ingestion.

**Eye Contact:** Not available.

**Inhalation:** Not available.

**Ingestion:** Not available.

**Sensitization:** Not available.

**Signs And Symptoms Of Exposure:** Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

**Irritation Data:** Not available.

**IARC Carcinogen List:** Not classified.

**NTP Carcinogen List:** Not listed.

**OSHA Carcinogen List:** Not listed.

## SECTION 12: ECOLOGICAL INFORMATION

**Ecological Data:**

**Toxicity: Toxicity to Invertebrates:** LC50 *Brachionus calyciflorus* (Rotifer)-22290µg/L-24h

**Toxicity to Crustaceans:** EC50 *Ceriodaphnia dubia* (Water Flea)-230µg/L-168h

**Persistence and degradability:** Not available.

**Bio accumulative potential:** Not available.

**Mobility in soil:** Not available.

**PBT and vPvB assessment:** Not available.

**Other adverse effects:** Not available.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal:** Chemical waste generators must determine whether a discarded chemical is classified as hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**Local Legislation:** Observe all federal, state and local regulations when disposing of the substance.

**Uncleaned Packaging:** Do not reuse containers. Dispose of as unused product.

## SECTION 14: TRANSPORT INFORMATION

**Transport Hazard Class(es)**

Non hazardous for transport

**UN "Model Regulation":** Not Applicable.

## SECTION 15: REGULATORY INFORMATION

**United States Regulatory Information:**

**California Proposition 65:** Not listed.

**TSCA Inventory Item:**

**TSCA Chemical Inventory:** This product is on the EPA Toxic Substance Control Act (TSCA) inventory. The product is supplied solely for use in research and development by or under the supervision of a technically qualified individual as defined in 40 CFR 720 et seq. The health risks have not been fully determined.

## SECTION 16: OTHER INFORMATION

### WARRANTY:

The above information is believed to be accurate and represents the best knowledge available to us currently. 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 ACC Corporation, 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, even if ACC Corporation has been advised of the possibility of such damages.

