



# Material Safety Data Sheet

<p><b>NFPA</b></p> 	<p><b>HMIS</b></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="background-color: #00FFFF;">Health Hazard</td> <td style="text-align: center; border: 1px solid black;">1</td> </tr> <tr> <td style="background-color: #FFC0CB;">Fire Hazard</td> <td style="text-align: center; border: 1px solid black;">1</td> </tr> <tr> <td style="background-color: #FFFF00;">Reactivity</td> <td style="text-align: center; border: 1px solid black;">0</td> </tr> </table>	Health Hazard	1	Fire Hazard	1	Reactivity	0	<p><b>Personal Protective Equipment</b></p>  <p style="text-align: center;">See Section 15.</p>
Health Hazard	1							
Fire Hazard	1							
Reactivity	0							

<b>Section 1. Chemical Product and Company Identification</b>		<i>Page Number: 1</i>
<p><b>Common Name/ Trade Name</b>      <b>Hydrocortisone acetate</b></p>	<p><b>Catalog Number(s).</b>      YY1510, CO138</p>	
<p><b>Manufacturer</b></p> <p>SPECTRUM LABORATORY PRODUCTS INC. 14422 S. SAN PEDRO STREET GARDENA, CA 90248</p>	<p><b>CAS#</b>      50-03-3</p>	
<p><b>Commercial Name(s)</b>      Cortisol acetate</p>	<p><b>RTECS</b>      GM8960000</p> <p><b>TSCA</b>      TSCA 8(b) inventory: Hydrocortisone acetate</p>	
<p><b>Synonym</b></p> <p>4-Pregnene-11-beta,17-alpha,21-triol 3,20-dione acetate Aceto-cort 21-Acetoxy-11-beta,17-alpha-dihydroxypregn-4-ene-3,20-dione Bambicort Cortacream Cortaid Cortef acetate Cortell Cortes Corticosterone, 17-hydroxy-, 21-acetate Cortifoam Abbecort Acetate-AS Berlison F Biocortar Carmol HC Chemysone Cortisol acetate Epifoam Fernisone Hycortole acetate 17-alpha-Hydroxycorticosterone acetate 17-alpha-Hydrocorticosterone 21-acetate Hydrocortisat Hydrocortisone acetate Hydrocortisone 21-acetate Hydrocortistab Hydrocortone acetate Hydrosone Hydroxy corticosterone acetate 17-Hydroxycorticosterone acetate 17-Hydroxycorticosterone-21-acetate Hysone-A Isopto-hydrocortisone Lanacort Mysone Pregn-4-ene-3,20-dione, 21-(acetoxy)-11,17-dihydroxy-, (11-beta)- Pregn-4-ene-3,20-dione, 21-(acetyloxy)-11,17-dihydroxy-, (11-beta)- (9CI) Pregn-4-ene-3,20-dione, 11-beta,17,21-trihydroxy-, 21-acetate Cortril acetate 11-beta,17-alpha-Dihydroxy-21-acetoxypregesterone Pabracort</p>	<p><b>CI#</b>      Not available.</p>	
<p style="text-align: center;"><b><u>IN CASE OF EMERGENCY</u></b> <b><u>CHEMTREC (24hr) 800-424-9300</u></b></p>		

## Chemical Name

Chemical Family Not available.

Chemical Formula C23H32O6

Supplier SPECTRUM LABORATORY PRODUCTS INC.  
14422 S. SAN PEDRO STREET  
GARDENA, CA 90248

CALL (310) 516-8000

## Section 2. Composition and Information on Ingredients

Name	CAS #	Exposure Limits			% by Weight
		TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )	CEIL (mg/m <sup>3</sup> )	
1) Hydrocortisone acetate	50-03-3				100

Toxicological Data on Ingredients Not applicable.

## Section 3. Hazards Identification

Potential Acute Health Effects Slightly hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects  
**CARCINOGENIC EFFECTS:** Not available.  
**MUTAGENIC EFFECTS:** Not available.  
**TERATOGENIC EFFECTS:** Not available.  
**DEVELOPMENTAL TOXICITY:** Not available.  
 Repeated or prolonged exposure is not known to aggravate medical condition.

## Section 4. First Aid Measures

Eye Contact Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact Not available.

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

Serious Inhalation Not available.

Ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion Not available.

## Section 5. Fire and Explosion Data

Flammability of the Product May be combustible at high temperature.

Auto-Ignition Temperature Not available.

Flash Points Not available.

Flammable Limits Not available.

Products of Combustion These products are carbon oxides (CO, CO<sub>2</sub>).

Fire Hazards in Presence of Various Substances Slightly flammable to flammable in presence of heat.

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**Explosion Hazards in Presence of Various Substances** Risks of explosion of the product in presence of mechanical impact: Not available.  
Risks of explosion of the product in presence of static discharge: Not available.

**Fire Fighting Media and Instructions** SMALL FIRE: Use DRY chemical powder.  
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

**Special Remarks on Fire Hazards** Not available.

**Special Remarks on Explosion Hazards** Not available.

### Section 6. Accidental Release Measures

**Small Spill** Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill** Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

### Section 7. Handling and Storage

**Precautions** Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

**Storage** Keep container tightly closed. Keep container in a cool, well-ventilated area.

### Section 8. Exposure Controls/Personal Protection

**Engineering Controls** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Personal Protection** Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

**Personal Protection in Case of a Large Spill** Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits** Not available.

### Section 9. Physical and Chemical Properties

**Physical state and appearance** Solid. (Solid crystalline powder.)

**Odor** Odorless.

**Molecular Weight** 404.5 g/mole

**Taste** Not available.

**pH (1% soln/water)** Not applicable.

**Color** White.

**Boiling Point** Not available.

**Melting Point** Decomposition temperature: 223°C (433.4°F)

**Critical Temperature** Not available.

**Specific Gravity** 1.289 (Water = 1)

**Vapor Pressure** Not applicable.

**Vapor Density** Not available.

**Volatility** Not available.

**Odor Threshold** Not available.

**Water/Oil Dist. Coeff.** Not available.

**Ionicity (in Water)** Not available.

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**Dispersion Properties** See solubility in water, diethyl ether, acetone.

**Solubility** Partially soluble in diethyl ether, acetone.  
Very slightly soluble in methanol.  
Insoluble in cold water.

### Section 10. Stability and Reactivity Data

**Stability** The product is stable.

**Instability Temperature** Not available.

**Conditions of Instability** Excess heat, incompatible materials

**Incompatibility with various substances** Reactive with oxidizing agents.

**Corrosivity** Non-corrosive in presence of glass.

**Special Remarks on Reactivity** Not available.

**Special Remarks on Corrosivity** Not available.

**Polymerization** Will not occur.

### Section 11. Toxicological Information

**Routes of Entry** Absorbed through skin. Inhalation. Ingestion.

**Toxicity to Animals** Acute oral toxicity (LD50): 3267 mg/kg [Mouse].

**Chronic Effects on Humans** Not available.

**Other Toxic Effects on Humans** Slightly hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation.

**Special Remarks on Toxicity to Animals** Not available.

**Special Remarks on Chronic Effects on Humans** May affect genetic material (mutagenic).  
May cause adverse reproductive effects and birth defects (teratogenic).

**Special Remarks on other Toxic Effects on Humans** Acute Potential Health Effects:  
Skin: May cause skin irritation.  
Eyes: May cause eye irritation.  
Inhalation: May cause respiratory tract irritation.  
Ingestion. Low hazard for usual industrial handling. May affect behavior/central nervous system (somnia), spleen, thyroid, urinary system, blood (changes in serum composition), liver, heart.  
Chronic Potential Health Effects:  
Ingestion: Prolonged or repeated ingestion may affect behavior/central nervous system (somnia), kidneys, spleen, thymus, adrenal cortex. It may also cause hyperglycemia.

### Section 12. Ecological Information

**Ecotoxicity** Not available.

**BOD5 and COD** Not available.

**Products of Biodegradation** Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation** The product itself and its products of degradation are not toxic.

**Special Remarks on the Products of Biodegradation** Not available.

**Section 13. Disposal Considerations**

**Waste Disposal** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**Section 14. Transport Information**

**DOT Classification** Not a DOT controlled material (United States).

**Identification** Not applicable.

**Special Provisions for Transport** Not applicable.

**DOT (Pictograms)**



**Section 15. Other Regulatory Information and Pictograms**

**Federal and State Regulations** TSCA 8(b) inventory: Hydrocortisone acetate

**California Proposition 65 Warnings** California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: No products were found.  
California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: No products were found.

**Other Regulations** EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances (EINECS No. 2004-004-4).  
Canada: Listed on Canadian Domestic Substance List (DSL).  
China: Not listed on National Inventory.  
Japan: Not listed on National Inventory (ENCS).  
Korea: Listed on National Inventory (KECI).  
Philippines: Not listed on National Inventory (PICCS).  
Australia: Listed on AICS.


**Other Classifications** **WHMIS (Canada)** Not controlled under WHMIS (Canada).

**DSCL (EEC)** This product is not classified according to the EU regulations. Not applicable.

**HMIS (U.S.A.)**

Health Hazard	1
Fire Hazard	1
Reactivity	0
Personal Protection	E

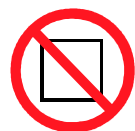
**National Fire Protection Association (U.S.A.)**

Health  Flammability  
Reactivity  
Specific hazard

**WHMIS (Canada) (Pictograms)**



**DSCL (Europe) (Pictograms)**



**TDG (Canada)**  
**(Pictograms)**



**ADR (Europe)**  
**(Pictograms)**



**Protective Equipment**



Gloves.



Lab coat.



Dust respirator. Be sure to use an approved/certified respirator or equivalent.



Safety glasses.

**Section 16. Other Information**

**MSDS Code** C4700

**References** Not available.

**Other Special Considerations** Not available.

Validated by Sonia Owen on 7/24/2013.

Verified by Sonia Owen.

Printed 7/25/2013.

CALL (310) 516-8000

**Notice to Reader**

*All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.*