Section 1. Chemical Product and Company Identification

Common Name/Trade Name
Beclomethasone Dipropionate

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

Commercial Name(s)
Not available.

Synonym
9-Chloro-11beta-hydroxy-16beta-methylpregna-1,4-diene-3,20-dione-17,21-dipropionate; Beclacin; Becloforte; Beclometasone 17,21-dipropionate; Beclometasone dipropionate; Becloval; Beclovent; Becotide; Benconase; Clenil-A; Dipropionate beclomethasone; Inalone O; Entyderma; Inalone R; Propaderm; Propaderm Forte; Rino-clenil; Sanasthymyl; Vancenase; Vanceril; Viarox

Chemical Name
Pregna-1-4-diene-3,20-9-chloro-16beta-methyl-11beta,17,21-trihydroxy-

Chemical Family
Not available.

Chemical Formula
C28-H37-Cl-O7

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

Page Number: 1

Section 2. Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS #</th>
<th>TWA (mg/m³)</th>
<th>STEL (mg/m³)</th>
<th>CEIL (mg/m³)</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Beclomethasone Dipropionate</td>
<td>5534-09-8</td>
<td></td>
<td></td>
<td></td>
<td>100</td>
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</tbody>
</table>

Toxicological Data on Ingredients

Beclomethasone Dipropionate:
ORAL (LD50): Acute: >3750 mg/kg [Rat]. >5000 mg/kg [Mouse].
DUST (LC50): Acute: 51.6 mg/m³ 2 hours [Rat].
**Section 3. Hazards Identification**

<table>
<thead>
<tr>
<th>Potential Acute Health Effects</th>
<th>Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Potential Chronic Health Effects</strong></td>
<td></td>
</tr>
<tr>
<td>CARCINOGENIC EFFECTS</td>
<td>Not available.</td>
</tr>
<tr>
<td>MUTAGENIC EFFECTS</td>
<td>Not available.</td>
</tr>
<tr>
<td>TERATOGENIC EFFECTS</td>
<td>Classified POSSIBLE for human.</td>
</tr>
<tr>
<td>DEVELOPMENTAL TOXICITY</td>
<td>Classified Development toxin [POSSIBLE].</td>
</tr>
<tr>
<td>Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.</td>
<td></td>
</tr>
</tbody>
</table>

**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. Cold water may be used. WARM water MUST be used. 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 immediately. |
| **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, CO2), halogenated compounds. |
| Fire Hazards in Presence of Various Substances | Slightly flammable to flammable in presence of heat. |
| 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 | As with most organic solids, fire is possible at elevated temperatures |
| Special Remarks on Explosion Hazards | Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. |
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 breathe dust.

Storage
Keep container tightly closed. Keep container in a cool, well-ventilated area. It should be stored at 25 deg. C (77 deg. F), but storage at temperatures between 15 and 30 deg. C (59 to 86 deg. F) are acceptable. The product should not be exposed to temperatures above 120 deg. F, because container may burst.

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. Use a dust respirator is ventilation if inadequate and handling of product creates visible dust clouds. 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 powder.)

Molecular Weight
521.1 g/mole

pH (1% soln/water)
Not available.

Odor
Odorless.

Taste
Not available.

Color
White to creamy

Boiling Point
Not available.

Melting Point
201°C (393.8°F) - 208 C.B^·

Critical Temperature
Not available.

Specific Gravity
Not available.

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.

Dispersion Properties
Not available.

Solubility
Very slightly soluble in cold water.

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Section 10. Stability and Reactivity Data

Stability
The product is stable.

Instability Temperature
Not available.

Conditions of Instability
Excess heat

Incompatibility with various substances
Not available.

Corrosivity
Not available.

Special Remarks on Reactivity
Not available.

Special Remarks on Corrosivity
Not available.

Polymerization
Will not occur.

Section 11. Toxicological Information

Routes of Entry
Inhalation. Ingestion.

Toxicity to Animals
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.
Acute oral toxicity (LD50): >3750 mg/kg [Rat].
Acute toxicity of the dust (LC50): 51.6 mg/m^3 2 hours [Rat].

Chronic Effects on Humans
Not available.

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

Special Remarks on Toxicity to Animals
Not available.

Special Remarks on Chronic Effects on Humans
Not available.

Special Remarks on other Toxic Effects on Humans
Acute Potential Health Effects:
Skin: May cause skin irritation.
Eyes: Dust may cause eye irritation.
Inhalation: A massive single dose is unlikely to cause adverse effects. Dust may cause respiratory tract (nasopharyngeal) irritation with nasopharyngitis, nasal burning, rhinorrhea, hoarseness, bronchospasm, coughing and possible nasal septum perforation. It may also cause headache, nausea, vomiting.
Ingestion: May cause gastrointestinal tract irritation with nausea, vomiting, hypermotility, diarrhea.
Other adverse effects of inhalation or ingestion may include: decreased or blurred vision, frequent urination, increased thirst, increased appetite, indigestion, nervousness, convulsions, seizures, muscle contraction or spasticity, trouble sleeping weight gain, dizziness, flushing of the face or cheeks, hiccups, and increased sweating.
Chronic Potential Health Effects:
Inhalation or Ingestion: Prolonged or repeated inhalation or ingestion may cause possible hypersensitization; acne or other skin problems; hip or shoulder pain; osteoporosis; gradual blurring or loss of vision (cataracts or glaucoma); eye pain or redness; tearing and sensitivity of eyes to light; rounding out of the face; purple lines on arms, face, legs, trunk, groin; unusual increase in hair growth; hypertension; menstrual irregularities; muscle weakness; unusual bruising; rapid weight gain; swelling of feet or lower legs; irregular heartbeat; muscle cramps or pain; unusual tiredness or weakness; impaired wound healing; headache; insomnia; pain in back, ribs, arms or legs; continuing abdominal or stomach pain or burning; nausea; vomiting; bloody or black tarry stools; tendon rupture; thin, fragile skin; blood (changes in erythrocyte and leukocyte count), thymus, and spleen Medical Conditions Aggravated by Exposure: Hypersensitivity to material; ocular herpes simplex; AIDS or HIV infection; heart disease; congestive heart failure; recent heart attack; intestinal anastomoses; strongyloides infestation; diabetes mellitus; mayasthenia gravis; impaired kidney function or disease; esophagitis; gastritis or peptic ulcer; chicken pox or measles (including recent exposure); tuberculosis; system fungal infections.

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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 products of degradation are as toxic as the product itself.

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
No products were found.

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: Beclomethasone Dipropionate

Other Regulations
EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances. EINECS no. 226-886-0.

Other Classifications

<table>
<thead>
<tr>
<th>Classification</th>
<th>Description</th>
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<tr>
<td>WHMIS (Canada)</td>
<td>Not controlled under WHMIS (Canada).</td>
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<tr>
<td>DSCL (EEC)</td>
<td>This product is not classified according to the EU regulations.</td>
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HMIS (U.S.A.)

<table>
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<th>HMIS Category</th>
<th>Value</th>
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<tr>
<td>Health Hazard</td>
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<tr>
<td>Fire Hazard</td>
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<tr>
<td>Reactivity</td>
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<tr>
<td>Personal Protection</td>
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National Fire Protection Association (U.S.A.)

<table>
<thead>
<tr>
<th>Classification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Health</td>
<td>1</td>
</tr>
<tr>
<td>Reactivity</td>
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</tbody>
</table>

Continued on Next Page
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**
B3271

**References**
Not available.

**Other Special Considerations**
Product Use: It is a steroidal (corticosteroid, glucocorticoid) anti-inflammatory agent given to control the symptoms of asthma, rhinitis.

Verified by Sonia Owen.

CALL (310) 516-8000

**Notice to Reader**

Continued on Next Page
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.