Material Safety Data Sheet

<table>
<thead>
<tr>
<th>NFPA</th>
<th>HMIS</th>
<th>Personal Protective Equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>Eye goggles, Face Shield, Gloves</td>
</tr>
<tr>
<td>0</td>
<td>0</td>
<td>See Section 15.</td>
</tr>
</tbody>
</table>

### Section 1. Chemical Product and Company Identification

**Common Name/Trade Name**
Triamcinolone diacetate

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

**Commercial Name(s)**
Ariscort diacetate; Aristocort syrup; Kenacort diacetate syrup

**Synonym**
16alpha,21-Diacetoxy-9alpha-fluoro-11beta,17alpha-dihydroxy-1,4-pre
9-alpha-Fluoro-16-alpha-hydroxyMPrednisolone diacetate
9-fluoro-11-beta,16-alpha,17,21-tetrahydroxyPregna-1,4-diene-3,20-dione

**Chemical Name**
Pregna-1,4-diene-2,20-dione,
9-fluoro-11-beta,16-alpha,17,21-tetrahydroxy-, 16,21-diace
tate

**Chemical Family**
Not available.

**Chemical Formula**
C25-H31-F-O8

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

### Section 2. Composition and Information on Ingredients

#### Exposure Limits

<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) Triamcinolone diacetate</td>
<td>67-78-7</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Not applicable.

### Section 3. Hazards Identification

**Potential Acute Health Effects**
Slightly hazardous in case of skin contact (irritant), 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.

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Continued on Next Page
### 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. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband. |
| 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. |
| 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. When heated to decomposition it emits acrid smoke and toxic fumes of Fluorine. |
| 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. |

Continued on Next Page
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.

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 if ventilation is inadequate and is handling of material 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. (Powdered solid. Crystalline powder.)

**Molecular Weight**
- 478.51 g/mole

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

**Boiling Point**
- Not available.

**Melting Point**
- 186°C (366.8°F) - 188°C

**Critical Temperature**
- Not available.

**Specific Gravity**
- Not available.

**Vapor Pressure**
- Not applicable.

**Vapor Density**
- Not available.

**Volutility**
- Not available.

**Odor Threshold**
- Not available.

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

**Ioncicty (in Water)**
- Not available.

**Dispersion Properties**
- Not available.

**Solubility**
- Insoluble in cold water, hot water.

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**
- Non-corrosive in presence of glass.

Continued on Next Page
### Section 11. Toxicological Information

<table>
<thead>
<tr>
<th>Routes of Entry</th>
<th>Inhalation. Ingestion.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity to Animals</td>
<td>LD50: Not available. LC50: Not available.</td>
</tr>
<tr>
<td>Chronic Effects on Humans</td>
<td>Not available.</td>
</tr>
<tr>
<td>Other Toxic Effects on Humans</td>
<td>Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.</td>
</tr>
</tbody>
</table>

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

**Special Remarks on Chronic Effects on Humans** May cause adverse reproductive effects and birth defects (teratogenic) based on animal test data.

**Special Remarks on other Toxic Effects on Humans**
- **Acute Potential Health Effects:**
  - **Skin:** May cause skin irritation with itching, erythema, folliculitis, pustules, pyoderma, vesiculation, hyperesthesia.
  - **Eyes:** Dust may cause eye irritation.
  - **Inhalation:** Dust may cause respiratory tract irritation.
  - Ingestion: May cause gastrointestinal tract irritation with indigestion. Ingestion as well as if orally-inhaled may cause adverse effects which may include decreased or blurred vision, frequent urination, increased thirst, loss or increase of appetite, nervousness or restlessness, and trouble sleeping, hypertension, electrolyte imbalances due to sodium/fluid retention, hyperglycemia and glycosuria.
  - Note: Possible allergic reaction to material if inhaled, ingested or in contact with skin.
- **Chronic Potential Health Effects:** Possible hypersensitization, acne or other skin problems, hip or shoulder pain, fullness in face, swelling of feet or lower legs, menstrual irregularities, hirsutism, hypopigmentation, nausea, vomiting, irregular heartbeat, muscle cramps, weakness, osteoporosis, increased susceptibility to infection, psychosis, and eye problems (cataracts, glaucoma with possible damage to the optic nerve).
- **Prolonged or repeated skin contact may cause itching, allergic contact dermatitis.**
- **Medical Conditions Aggravated by Exposure:** Hypersensitivity to this material or other corticosteroids; ocular herpes simples; active alcoholism; AIDS or HIV infection; heart disease or hypertension; diabetes mellitus; myasthenia gravis; impaired liver or kidney function; esophagitis; gastritis or peptic ulcer; chickenpox or measles (including recent exposure); tuberculosis; and system fungal infections.

### Section 12. Ecological Information

<table>
<thead>
<tr>
<th>Ecotoxicity</th>
<th>Not available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOD5 and COD</td>
<td>Not available.</td>
</tr>
<tr>
<td>Products of Biodegradation</td>
<td>Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.</td>
</tr>
<tr>
<td>Toxicity of the Products of Biodegradation</td>
<td>The products of degradation are more toxic than the product itself.</td>
</tr>
<tr>
<td>Special Remarks on the Products of Biodegradation</td>
<td>Not available.</td>
</tr>
</tbody>
</table>
**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: No products were found.

**Other Regulations**

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

**Other Classifications**

| WHMIS (Canada) | Not controlled under WHMIS (Canada). |
| DSCL (EEC) | This product is not classified according to the EU regulations. |

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

| Health Hazard | 1 |
| Fire Hazard | 1 |
| Reactivity | 0 |
| Personal Protection | E |

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

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Specific hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>0</td>
<td></td>
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</table>

**WHMIS (Canada) (Pictograms)**


**DSCL (Europe) (Pictograms)**


**TDG (Canada) (Pictograms)**


Continued on Next Page
Use: A corticosteroid (glucocorticoid) drug used in control of bronchial asthma and allergic thinitis

Section 16. Other Information

<table>
<thead>
<tr>
<th>MSDS Code</th>
<th>T3783</th>
</tr>
</thead>
<tbody>
<tr>
<td>References</td>
<td>Not available.</td>
</tr>
<tr>
<td>Other Special Considerations</td>
<td>Use: A corticosteroid (glucocorticoid) drug used in control of bronchial asthma and allergic thinitis</td>
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</table>

Verified by Sonia Owen.
Printed 9/14/2006.

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.