Section 1: Chemical Product and Company Identification

Product Name: ALTRESYN® Solution 0.22%

Synonyms: Altrenogest, Allyl Trenogest, 17 Alpha-Allyl-17Beta-Hydroxyestra-4,9,11-Trien-3-One

Intended Use: ALTRESYN® Solution 0.22% is for oral use in mares (horses) to suppress estrus.

Emergency Spill, Leak, Fire Contact Information: CHEMTREC  1-800-424-9300

Manufactured for: Ceva Animal Health, LLC
8735 Rosehill Road
Lenexa, KS 66215

Section 2: Handling and Storage

Handling: Wear eye protection. Avoid skin contact. ALTRESYN® Solution 0.22% is readily absorbed through unbroken skin. Protective chemical resistant gloves MUST BE WEARED by all persons handling this material. Gloves should be composed of vinyl, polyethylene, neoprene, butyl, or nitrile. Wear long sleeves, pants, and closed-toe shoes to prevent dermal contact. Wash hands thoroughly with soap and water after handling. Use with adequate ventilation. Handle in a manner that will not create aerosols.

Fire and Explosion Protection: Not flammable.

Storage: Keep in original container, and store at or below 25°C (77°F). Keep out of reach of children. Keep away from food, drink, and animal feed.

Section 3: Hazards Identification

WARNING!

Not for human use.
For oral use in horses only.
Product is readily absorbed through unbroken skin. Protective chemical resistant gloves MUST BE WORN!
Pregnant women, or women who suspect they are pregnant should not handle ALTRESYN® Solution 0.22%.

Physical State: Oily Liquid
Color: Light Yellow

PEOPLE WHO SHOULD NOT HANDLE THIS PRODUCT:
- Women who are, or suspect they are, pregnant.
- Anyone with thrombophlebitis or thromboembolic disorders or with a history of these events.
- Anyone with cerebral-vascular or coronary-artery disease.
- Women with known or suspected carcinoma of the breast.
- People with known or suspected estrogen-dependent neoplasia.
- Women with undiagnosed vaginal bleeding.
- People with benign or malignant tumors which developed during the use of oral contraceptives or other estrogen-containing products.
- Anyone with liver dysfunction or disease.

Precautionary Statements:
- Do not use in horses intended for human consumption.
- Pregnant women, or women who suspect they are pregnant, should not handle ALTRESYN® Solution 0.22%.
- Women of childbearing age should exercise extreme caution when handling this product. Accidental absorption could lead to a disruption of the menstrual cycle or prolongation of pregnancy.
- Wear protective gloves and eye protection. Skin contact must be avoided as ALTRESYN® Solution 0.22% is readily absorbed through unbroken skin. Accidental spillage on the skin should be washed off immediately with soap and water.
- If swallowed, seek medical advice immediately and show the container label.
- Keep only in original container, and store at or below 25°C (77°F).
- Keep out of reach of children.
- Keep away from food, drink, and animal feed.

Acute/Chronic Effect:
Acute effects after a single exposure are possible; however, continued daily exposure has the potential for more untoward effects such as disruption of the menstrual cycle, uterine or abdominal cramping, increased or decreased uterine bleeding, prolongation of pregnancy, and headaches. This product is not intended for human use. There has been no human use of this specific product. Such information is derived from known information associated with other progesterone containing substances.

Potential Health Effects:
- **Inhalation**: May cause irritation of the respiratory tract with high mist concentrations.
- **Eye Contact**: Causes eye irritation. Exposure may cause redness, tearing, and discomfort.
- **Skin Contact**: ALTRESYN Solution 0.22% is readily absorbed through the skin. In addition, this oil-based product can penetrate porous gloves.
- **Ingestion**: May cause nausea, vomiting, and other systemic effects.

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**Section 4: First Aid Measures**

- **Inhalation**: Move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.
- **Eye Contact**: Immediately flush with water for 15 minutes. Remove contacts after initial rinse, and continue flushing eyes. Get medical attention.
- **Skin Contact**: In case of contact, immediately flush skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention.
- **Ingestion**: Immediately rinse mouth. Call a physician or poison control center. Only induce vomiting at the instruction of medical personnel.

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**Section 5: Fire-Fighting Measures**

**Extinguishing Media**: Use carbon dioxide, dry chemicals, water spray, foam or materials appropriate for the surrounding fire.

**Unsuitable Extinguishing Media**: None known
Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards: None known

Hazardous Combustion Products: None known

Section 6: Accidental Release Measures:

Personal Protection: Wear eye protection. Protective chemical resistant gloves MUST BE WORN by all persons handling this material. Gloves should be composed of vinyl, polyethylene, neoprene, butyl, or nitrile. Wear long sleeves, pants, and closed-toe shoes to prevent dermal contact.

Spill Cleanup Methods:
Use an absorbent to soak up the product and place into container for disposal by incineration.

Environmental Precautions: Flush spill area with water spray. Prevent runoff from entering drains, sewers, or streams. Dike for later disposal. Handle in a manner that will not create aerosols.

Section 7: Composition/Ingredient Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS- No.</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Altrenogest</td>
<td>850-52-2</td>
<td>0.22 mg/mL</td>
</tr>
<tr>
<td>BHA</td>
<td>25013-16-5</td>
<td></td>
</tr>
<tr>
<td>BHT</td>
<td>97123-41-6</td>
<td></td>
</tr>
</tbody>
</table>

OSHA Regulatory Status: Nonhazardous, exempt
No environmental data.

Section 8: Physical and Chemical Properties

Color: Light Yellow
Physical State: Oily Liquid
Boiling Point: No data available
pH: No data available
Freezing Point: No data available
Solubility in water:  

Section 9: Stability and Reactivity

Stability: Stable
Conditions to Avoid: Excessive heat or freezing
Incompatible Materials: None known
Hazardous Decomposition Products: None known
Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Section 10: Toxicological Information

The following toxicology information is for the active ingredient Altrenogest in its pure form:
Oral LD 50 Rat: Greater than 2,000 mg/kg
Intraperitoneal LD50 (mouse): 175 to 177 mg/kg
Intraperitoneal LD50 (mouse): 226 to 230 mg/kg
Various synthetic progestins, including altrenogest, when administered to rats during the embryonic stage of pregnancy at doses manifold greater than the recommended equine dose caused fetal anomalies, specifically
masculinization of the female genitalia. Atrenogest is non-mutagenic when studied in the Ames test, mammalian point mutation assays, in vitro and in vivo chromosome aberration assays and DNA damage assays. Various synthetic progestins, including altrenogest, when administered to rats during the embryonic stage of pregnancy at doses manifold greater than the recommended equine dose caused fetal anomalies, specifically masculinization of the female genitalia.

Section 11: Ecological Information
There is no data on the ecotoxicity of this product.

Section 12: Disposal Considerations:
General: This substance should be disposed of by incineration in accordance with local, state, and federal regulations.

Disposal Method: Do not empty into drains. Store and dispose of this material and its container in a safe manner which will not contaminate water, food, or animal feed.

Container: Since emptied containers retain product residue, follow label warnings even after container is emptied.

Section 13: Transport Information
DOT: Not regulated

Section 14: Regulatory Information
Pennsylvania Right To Know Components: CAS No.: 
Altrenogest 850-52-2

New Jersey Right To Know Components: 
CAS No.: 
Altrenogest 850-52-2

Federal Law restricts this drug to use by or on the order of a licensed veterinarian.

Section 15: Exposure Controls/Personal Protection
For industrial exposure: No occupational exposure limits established.

Engineering Controls: Good ventilation should be used (typically 10 air changes per hour). Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels to an acceptable condition.

Respiratory Protection: If engineering controls do not maintain airborne concentrations below an acceptable level, an approved respirator must be worn.

Personal Protective Equipment:
- Eye Protection: Wear safety glasses with side shields or goggles.
- Hand Protection: Protective chemical resistant gloves MUST be worn. Gloves should be composed of vinyl, polyethylene, neoprene, butyl, or nitrile.
- Skin Protection: Wear long sleeves, pants, and closed-toe-shoes to prevent dermal contact.

Hygiene Measures: Eye bath, washing facilities, safety shower
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