



ChronoMate™ (altrenogest) Solution 0.22% Safety Data Sheet

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : ChronoMate™
Other means of identification : Altrenogest, Allyl Trenogest, 17 Alpha-Allyl-17Beta-Hydroxyestra-4,9,11-Trien-3-One

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : ChronoMate™ is used for synchronization of estrus in sexually mature gilts that have had at least one estrous cycle.

1.3. Details of the supplier of the safety data sheet

Ceva Animal Health, LLC
8735 Rosehill Road, Suite 300
Lenexa, KS 66215

1.4. Emergency telephone number

Emergency number : Chemtrec 1 800 424 9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Not classified

2.2. Label elements

GHS-US labeling

No labeling applicable

2.3. Other hazards

Not for human use. For oral use in gilts (swine) only. Product is readily absorbed through unbroken skin.

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.

2.4. Unknown acute toxicity (GHS-US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Altrenogest	(CAS No) 850-52-2	0.22	Not classified

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.
First-aid measures after 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.
First-aid measures after eye contact : Immediately flush with water for 15 minutes. Remove contacts after initial rinse, and continue flushing eyes. Get medical attention.
First-aid measures after ingestion : Immediately rinse mouth. Call a physician or poison control center. Only induce vomiting at the instruction of medical personnel.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : May cause irritation of the respiratory tract with high mist concentrations.

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Symptoms/injuries after skin contact	: ChronoMate™ is readily absorbed through the skin. In addition, this oil-based product can penetrate porous gloves.
Symptoms/injuries after eye contact	: Causes eye irritation. Exposure may cause redness, tearing, and discomfort.
Symptoms/injuries after ingestion	: May cause nausea, vomiting, and other systemic effects.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Use carbon dioxide, dry chemicals, water spray, foam or materials appropriate for the surrounding fire.
Unsuitable extinguishing media	: None.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: None known.
Explosion hazard	: None known.

5.3. Advice for firefighters

Protection during firefighting	: Firefighters should wear full protective gear.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. 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.

6.3. Methods and material for containment and cleaning up

For containment	: Stop the flow of material, if this is without risk.
Methods for cleaning up	: Confine spill and soak up with absorbent. Place in an approved container and dispose in accordance with local, state and federal regulations.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Avoid contact with eyes, skin and clothing. Pregnant women, or women who suspect they are pregnant, should not handle ChronoMate™. 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.
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People who should not handle this product: 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.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: 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.
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7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Altrenogest (850-52-2)	
ACGIH	Not applicable
OSHA	Not applicable

8.2. Exposure controls

Appropriate 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.
Hand protection	: Protective chemical resistant gloves MUST be worn. Gloves should be composed of vinyl, polyethylene, neoprene, butyl, or nitrile.
Eye protection	: Wear safety glasses with side shields or goggles.
Skin and body protection	: Wear long sleeves, pants, and closed-toe-shoes to prevent dermal contact.
Respiratory protection	: If engineering controls do not maintain airborne concentrations below an acceptable level, an approved respirator must be worn.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Oily
Color	: Light yellow
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

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10.3. Possibility of hazardous reactions

Will not occur.

10.4. Conditions to avoid

Excessive heat or freezing

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

None known

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

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.

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer : No additional information available

Effect on the global warming : No known ecological damage caused by this product.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

In accordance with DOT
Not a dangerous good as defined in transport regulations

SECTION 15: Regulatory information

15.1. US Federal regulations

No additional information available

15.2. US State regulations

No additional information available

SECTION 16: Other information

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