



Cloronex[®] Soluble Powder Concentrate

SAFETY DATA SHEET

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SECTION 1: IDENTIFICATION

1.1. Product Identifier:

Material name: Chlortetracycline Hydrochloride
Trade name: Cloronex Soluble Powder Concentrate
Product number: 111415001 (25.6oz), 111415002 (6.4oz)

1.2. Manufacturer/Supplier:

Huvepharma Inc.
3360 Maury Avenue
St. Louis, MO 63116

Huvepharma, Inc.
525 Westpark Drive, Suite 230
Peachtree City, GA 30269
Telephone: 1-770-486-7212
Emergency telephone: 1-877-994-4883
Contact e-mail: customerservice@huvepharma.us

1.3. Relevant identified uses and any restrictions:

Intended use: Indicated for treatment of various diseases in animals.
Restrictions on use: For animal use only. Not for human use.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the chemical:

The classification was made according to the latest editions of international substances lists, and from company and regulatory data.

- NFPA ratings (scale 0 - 4)

Health = 0
Fire = 2
Reactivity = 0

- HMIS ratings (scale 0 - 4)

Health = 2
Fire = 2
Reactivity = 0

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2.2. Signal word: Warning

2.3. Statement of hazard: May be harmful if swallowed; Causes eye irritation; Causes skin irritation; Not for human use.

2.5. Precautionary statement(s):

- Keep only in original container.
- Keep at a temperature not exceeding 30° C (86° F).
- Fire-fighting: Use foam, carbon dioxide, dry chemical powder and water fog or material appropriate for surrounding fire.
- Avoid contact with eyes, skin and clothing.
- Wash thoroughly with soap and water after handling.
- Wear suitable gloves and eye/face protection.
- Spills: Sweep spilled substance into appropriate waste containers.
- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
- If swallowed, seek medical advice immediately and show this container or label.
- In case of contact with eyes, flush with gently flowing fresh water thoroughly.
- Dispose of contents and container in accordance with applicable local authority requirements.
- Keep out of reach of children.
- Keep away from food, drink, and animal feedstuffs.

2.6. Description of any hazards not otherwise classified: Not applicable.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous

Ingredient	CAS Number	%
Urea	57-13-6	65 - 75
Chlortetracycline hydrochloride	64-72-2	15 - 25
Magnesium Sulfate, anhydrous	7487-88-9	5 - 15

Additional information: Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety. In accordance with 29 CFR 1910.1200, the exact percentage composition of this mixture has been withheld as a trade secret.

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SECTION 4: FIRST-AID MEASURES

4.1. First aid measures:

- **Eye contact:** Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if symptoms persist.
- **Skin contact:** Immediately wash with water and soap and rinse thoroughly. If skin irritation occurs, consult a doctor.
- **Ingestion:** Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.
- **Inhalation:** Move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.

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

Symptoms and effects of exposure: Dusts may irritate the respiratory tract, skin and eyes.

Medical conditions aggravated by exposure: Provide general supportive measures and treat symptomatically. Not for human use.

4.3. Recommended immediate medical attention and special treatment needed:

Persons developing anaphylactic (life threatening) reactions, such as difficulty in breathing or unconsciousness, must receive immediate medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media: Extinguish with water fog, foam, dry chemical, and carbon dioxide. Apply extinguishing media carefully to avoid creating airborne dust.

5.2. Unsuitable Extinguishing Media: Do not use water jet as an extinguisher, as this will spread the fire.

5.3. Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

5.4. Unusual Fire & Explosion Hazards

High dust concentrations may form explosive mixtures in air.

5.5. Hazardous Combustion Products: Carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1. Personal precautions and protective equipment:** Wear appropriate personal protective equipment (See Section 8).
- 6.2. Emergency procedures:** Use only non-sparking tools. Keep unnecessary personnel away. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area).
- 6.3. Methods and materials for containment:**
Prevent runoff from entering drains, sewers or streams. Dike for later disposal.
- 6.4. Cleanup procedures:**
STEPS TO BE TAKEN IF SIGNIFICANT QUANTITIES OF PRODUCT IS SPILLED:
Sweep up. Minimize dust accumulation. Place spillage in appropriate container for waste disposal. Wash contaminated clothing before use.

SECTION 7: HANDLING AND STORAGE

- 7.1. Precautions for safe handling:**
HANDLING SIGNIFICANT QUANTITIES OF PRODUCT: Avoid breathing dust.
Avoid contact with eyes, skin or clothing. Use adequate ventilation. Wash hands thoroughly after handling.
- 7.2. Conditions for safe storage, including any incompatibilities:**
Keep only in the original container. Store at 15°-30°C (59°-86°F).
Store out of direct sunlight. Store away from foodstuffs.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters:

8.1. Exposure controls:

Chemical Name	Source	Type	Exposure Limits	Notes
Urea (as a particulate)	AIHA WEELS	8-HR TWA	10mg/m ³	-

Where lower governmentally imposed exposure limits exist, such limits should take precedence.

8.2. Engineering controls:

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Not generally required when handling containers. Good ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

8.3. Personal protective measures: Not generally required when handling containers. If containers are compromised or exposure to the mixture is likely, wear:

- **Eye Protection:** Wear safety glasses with side shields (or goggles).
- **Hand Protection:** Wear suitable gloves.
- **Skin Protection:** Wear lab coat, apron or appropriate clothing to prevent skin contact.
- **Hygiene Measures:** Eye bath, washing facilities

8.4. Special requirements for PPE, protective clothing or respirators:

- Hands: Not required under normal conditions of use.
- Eyes: Not required under normal conditions of use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Physical and chemical properties:

- | | |
|---|-----------------------------------|
| • Appearance: | Solid powder; yellowish |
| • Upper/lower flammability or explosive limits: | No data available |
| • Odor: | Fermentation, slight |
| • Vapor pressure: | Not applicable |
| • Vapor density: | Not applicable |
| • pH: | No data available |
| • Relative density: | No data available |
| • Melting point/freezing point: | No data available |
| • Solubility(ies): | Soluble in water |
| • Initial boiling point and boiling range: | Not applicable |
| • Flash point: | Not applicable, combustible solid |
| • Evaporation rate: | No data available |
| • Flammability (solid, gas): | No data available |
| • Solvent content: | No data available |
| • Partition coefficient: n-octanol/water: | No data available |
| • Auto-ignition temperature: | No data available |
| • Decomposition temperature: | No data available |
| • Viscosity: | No data available |
| • Specific gravity: | No data available |

SECTION 10: STABILITY AND REACTIVITY

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10.1. Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability: Stable under recommended storage conditions.

10.3. Other:

- **Possibility of hazardous reactions:**
Hazardous polymerization will not occur.
- **Conditions to avoid:**
Heat, sparks and open flame. Minimize dust generation and accumulation.
- **Incompatible material:**
Strong oxidizing agents.
- **Hazardous decomposition products:**
Carbon dioxide, carbon monoxide, nitrogen oxides, hydrogen chloride.

SECTION 11: TOXICOLOGICAL INFORMATION

Chemical Name	Test Results
Urea	Oral LD50 (rat): 14.3 – 15.0 mg/kg
Chlortetracycline hydrochloride	Oral LD50 (rat): 10.3 g/kg

Listed Carcinogens: None listed.

SECTION 12: ECOLOGICAL INFORMATION

Environmental overview:

Environmental properties have not been thoroughly investigated. Releases to the environment should be avoided.

12.1. Ecotoxicity:

No data available.

12.2. Persistence and degradability: No data available.

12.3. Bioaccumulation potential: No data available.

12.4. Mobility in soil: No data available.

12.5. Other adverse effects: No data available.

SECTION 13: DISPOSAL CONSIDERATIONS



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General Information: Dispose of in accordance with local, state, federal, national or international regulations.

Disposal Methods: No specific disposal method required. Do not empty into drains. Dispose of this material and its container in a safe way. Do not contaminate water, food, or feed by disposal.

RCRA Information: Not applicable

SECTION 14: TRANSPORT INFORMATION

The following refers to all modes of transportation unless specified below.

DOT: Not Regulated

TDG: Not Regulated

ADR/RID: Not Regulated

IATA: Not Regulated

IMDG: Not Regulated

SECTION 15: REGULATORY INFORMATION

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3): None listed.

SARA Title III

Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A): None listed.

Section 311/312 (40 CFR 370): Acute (Immediate); Chronic (Delayed)

Section 313 Toxic Release Inventory (40 CFR 372): None listed.

State Regulations:

California: Restricted Drug (California) – Use Only as Directed

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): None listed.

Massachusetts Right-To-Know List: None listed.

Minnesota Hazardous Substances List: Urea



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New Jersey Right-To-Know List: None listed.
Pennsylvania Right-To-Know List: None listed.
Rhode Island Right-To-Know List: None listed.

European Regulations:

Austria MAK List (Annex I): None listed.
Denmark (Annex 3.6): None listed.
Germany (Dangerous Substances Ordinance 2004, Annex III): None listed.
Norway (List of Dangerous Substance): None listed.
Sweden (Annex 3): None listed.
Switzerland (Toxins List 1): Urea

SECTION 16: OTHER INFORMATION

Prepared by: GH

Issuing date: 04/15/16

Revision: 2

Huvepharma, Inc. believes that the information contained in this Safety Data Sheet is accurate, and while it is provided in good faith, it is without warranty of any kind, expressed or implied. If data for a hazard are not included in this document there is no known information at this time.

End of Safety Data Sheet