

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## Prednisolone / Chloramphenicol Formulation

Version  
3.0

Revision Date:  
04/14/2025

SDS Number:  
5710736-00011

Date of last issue: 04/06/2024  
Date of first issue: 04/23/2020

### SECTION 1. IDENTIFICATION

Product name : Prednisolone / Chloramphenicol Formulation

#### Manufacturer or supplier's details

Company name of supplier : Merck & Co., Inc  
Address : 126 E. Lincoln Avenue  
Rahway, New Jersey U.S.A. 07065  
Telephone : 908-740-4000  
Emergency telephone : 1-908-423-6000  
E-mail address : EHSDATASTEWARD@merck.com

#### Recommended use of the chemical and restrictions on use

Recommended use : Veterinary product  
Restrictions on use : Not applicable

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Combustible dust

Carcinogenicity : Category 2

Reproductive toxicity : Category 1B

#### Other hazards

Dust contact with the eyes can lead to mechanical irritation.

Contact with dust can cause mechanical irritation or drying of the skin.

#### GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements : If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air.  
H351 Suspected of causing cancer.  
H360 May damage fertility or the unborn child.

Precautionary Statements :

**Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P280 Wear protective gloves, protective clothing, eye protection and face protection.

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### Response:

P308 + P313 IF exposed or concerned: Get medical attention.

### Storage:

P405 Store locked up.

### Disposal:

P501 Dispose of contents and container to an approved waste disposal plant.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

| Chemical name    | CAS No./Unique ID | Concentration (% w/w) | Trade secret |
|------------------|-------------------|-----------------------|--------------|
| Propylene glycol | 57-55-6*          | >= 7 - <= 13          | TSC          |
| Chloramphenicol  | 56-75-7*          | >= 3 - <= 7           | TSC          |
| prednisolone     | 50-24-8*          | >= 0.1 - <= 1         | TSC          |

\* Indicates that the identifier is a CAS No.

TSC- the actual concentration or concentration range is withheld as a trade secret

## SECTION 4. FIRST AID MEASURES

- General advice : In the case of accident or if you feel unwell, seek medical advice immediately.  
When symptoms persist or in all cases of doubt seek medical advice.
- If inhaled : If inhaled, remove to fresh air.  
Get medical attention.
- In case of skin contact : In case of contact, immediately flush skin with soap and plenty of water.  
Remove contaminated clothing and shoes.  
Get medical attention.  
Wash clothing before reuse.  
Thoroughly clean shoes before reuse.
- In case of eye contact : If in eyes, rinse well with water.  
Get medical attention if irritation develops and persists.
- If swallowed : If swallowed, DO NOT induce vomiting.  
Get medical attention.  
Rinse mouth thoroughly with water.
- Most important symptoms and effects, both acute and delayed : Contact with dust can cause mechanical irritation or drying of the skin.  
Dust contact with the eyes can lead to mechanical irritation.  
Suspected of causing cancer.  
May damage fertility or the unborn child.
- Protection of first-aiders : First Aid responders should pay attention to self-protection,

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and use the recommended personal protective equipment when the potential for exposure exists (see section 8).

Notes to physician : Treat symptomatically and supportively.

## SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water spray  
Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical
- Unsuitable extinguishing media : None known.
- Specific hazards during fire fighting : Exposure to combustion products may be a hazard to health.
- Hazardous combustion products : Carbon oxides
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray to cool unopened containers.  
Remove undamaged containers from fire area if it is safe to do so.  
Evacuate area.
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).
- Environmental precautions : Avoid release to the environment.  
Prevent further leakage or spillage if safe to do so.  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages cannot be contained.
- Methods and materials for containment and cleaning up : Sweep up or vacuum up spillage and collect in suitable container for disposal.  
Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).  
Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.  
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to

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determine which regulations are applicable.  
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

### SECTION 7. HANDLING AND STORAGE

- Technical measures : Static electricity may accumulate and ignite suspended dust causing an explosion.  
Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.
- Local/Total ventilation : If sufficient ventilation is unavailable, use with local exhaust ventilation.
- Advice on safe handling : Do not get on skin or clothing.  
Do not breathe dust.  
Do not breathe vapors.  
Do not swallow.  
Avoid contact with eyes.  
Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment  
Keep container tightly closed.  
Minimize dust generation and accumulation.  
Keep container closed when not in use.  
Keep away from heat and sources of ignition.  
Take precautionary measures against static discharges.  
Take care to prevent spills, waste and minimize release to the environment.
- Conditions for safe storage : Keep in properly labeled containers.  
Store locked up.  
Keep tightly closed.  
Store in accordance with the particular national regulations.
- Materials to avoid : Do not store with the following product types:  
Strong oxidizing agents  
Self-reactive substances and mixtures  
Organic peroxides  
Explosives

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

| Components       | CAS-No. | Value type<br>(Form of<br>exposure) | Control parame-<br>ters / Permissible<br>concentration | Basis    |
|------------------|---------|-------------------------------------|--|----------|
| Propylene glycol | 57-55-6 | TWA                                 | 10 mg/m <sup>3</sup>                                   | US WEEL  |
| Chloramphenicol  | 56-75-7 | TWA                                 | 300 µg/m <sup>3</sup> (OEB 2)                          |          |
|                  |         | TWA                                 | 0.5 mg/m <sup>3</sup>                                  | US WEEL  |
| prednisolone     | 50-24-8 | TWA                                 | 10 µg/m <sup>3</sup> (OEB 3)                           | Internal |
|                  |         | Wipe limit                          | 100 µg/100 cm <sup>2</sup>                             | Internal |

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|                                      |   |
|--------------------------------------|---|
| <b>Engineering measures</b>          | : All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Containment technologies suitable for controlling compounds are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., open-face containment devices). Minimize open handling.   |
| <b>Personal protective equipment</b> |   |
| Respiratory protection               | : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection. |
| Hand protection                      |   |
| Material                             | : Chemical-resistant gloves   |
| Remarks                              | : Consider double gloving.  |
| Eye protection                       | : Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.  |
| Skin and body protection             | : Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially contaminated clothing.   |
| Hygiene measures                     | : If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use. The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls.   |

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|            |         |
|------------|---------|
| Appearance | : cream |
|------------|---------|

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| Color  | :                            | No data available   |   |
| Odor   | :                            | No data available   |   |
| Odor Threshold                                   | :                            | No data available   |   |
| pH   | :                            | No data available   |   |
| Melting point/freezing point                     | :                            | No data available   |   |
| Initial boiling point and boiling range          | :                            | No data available   |   |
| Flash point                                      | :                            | Not applicable  |   |
| Evaporation rate                                 | :                            | Not applicable  |   |
| Flammability (solid, gas)                        | :                            | May form combustible dust concentrations in air during processing, handling or other means. |   |
| Flammability (liquids)                           | :                            | Not applicable  |   |
| Upper explosion limit / Upper flammability limit | :                            | No data available   |   |
| Lower explosion limit / Lower flammability limit | :                            | No data available   |   |
| Vapor pressure                                   | :                            | Not applicable  |   |
| Relative vapor density                           | :                            | Not applicable  |   |
| Relative density                                 | :                            | No data available   |   |
| Density  | :                            | No data available   |   |
| Solubility(ies)                                  |                              |   |   |
| Water solubility                                 | :                            | No data available   |   |
| Partition coefficient: n-octanol/water           | :                            | Not applicable  |   |
| Autoignition temperature                         | :                            | No data available   |   |
| Decomposition temperature                        | :                            | No data available   |   |
| Viscosity  |                              |   |   |
| Viscosity, kinematic                             | :                            | Not applicable  |   |
| Explosive properties                             | :                            | Not explosive   |   |
| Oxidizing properties                             | :                            | The substance or mixture is not classified as oxidizing.                                    |   |
| Molecular weight                                 | :                            | No data available   |   |

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Particle characteristics  
Particle size : No data available

## SECTION 10. STABILITY AND REACTIVITY

|                                    |  |
|------------------------------------|--|
| Reactivity                         | : Not classified as a reactivity hazard.   |
| Chemical stability                 | : Stable under normal conditions.  |
| Possibility of hazardous reactions | : May form combustible dust concentrations in air during processing, handling or other means.<br>Can react with strong oxidizing agents. |
| Conditions to avoid                | : Heat, flames and sparks.<br>Avoid dust formation.  |
| Incompatible materials             | : Oxidizing agents   |
| Hazardous decomposition products   | : No hazardous decomposition products are known.   |

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## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

Inhalation  
Skin contact  
Ingestion  
Eye contact

### Acute toxicity

Not classified based on available information.

#### Product:

Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

#### Components:

##### **Propylene glycol:**

|                           |   |
|---------------------------|---|
| Acute oral toxicity       | : LD50 (Rat): 22,000 mg/kg  |
| Acute inhalation toxicity | : LC50 (Rat): > 44.9 mg/l<br>Exposure time: 4 h<br>Test atmosphere: dust/mist                       |
| Acute dermal toxicity     | : LD50 (Rabbit): > 2,000 mg/kg<br>Assessment: The substance or mixture has no acute dermal toxicity |

##### **Chloramphenicol:**

Acute oral toxicity : LD50 Oral (Rat): 2,500 mg/kg

##### **prednisolone:**

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|   |   |   |
|---|---|---|
| Acute oral toxicity                             | : | LD50 (Mouse): 1,680 mg/kg                                     |
|   |   | LD50 (Rat): > 3,857 mg/kg                                     |
| Acute inhalation toxicity                       | : | Remarks: No data available                                    |
| Acute dermal toxicity                           | : | Remarks: No data available                                    |
| Acute toxicity (other routes of administration) | : | LD50 (Rat): 147 mg/kg<br>Application Route: Subcutaneous      |
|   |   | LD50 (Mouse): 767 mg/kg<br>Application Route: Intraperitoneal |

### Skin corrosion/irritation

Not classified based on available information.

### Components:

#### **Propylene glycol:**

|         |   |                         |
|---------|---|-------------------------|
| Species | : | Rabbit                  |
| Method  | : | OECD Test Guideline 404 |
| Result  | : | No skin irritation      |

#### **prednisolone:**

|         |   |                   |
|---------|---|-------------------|
| Remarks | : | No data available |
|---------|---|-------------------|

### **Serious eye damage/eye irritation**

Not classified based on available information.

### Components:

#### **Propylene glycol:**

|         |   |                         |
|---------|---|-------------------------|
| Species | : | Rabbit                  |
| Result  | : | No eye irritation       |
| Method  | : | OECD Test Guideline 405 |

#### **Chloramphenicol:**

|         |   |                     |
|---------|---|---------------------|
| Remarks | : | Mild eye irritation |
|---------|---|---------------------|

#### **prednisolone:**

|         |   |                   |
|---------|---|-------------------|
| Remarks | : | No data available |
|---------|---|-------------------|

### **Respiratory or skin sensitization**

#### **Skin sensitization**

Not classified based on available information.

#### **Respiratory sensitization**

Not classified based on available information.

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### Components:

#### **Propylene glycol:**

|                    |   |                   |
|--------------------|---|-------------------|
| Test Type          | : | Maximization Test |
| Routes of exposure | : | Skin contact      |
| Species            | : | Guinea pig        |
| Result             | : | negative          |

#### **prednisolone:**

|         |   |                   |
|---------|---|-------------------|
| Remarks | : | No data available |
|---------|---|-------------------|

### **Germ cell mutagenicity**

Not classified based on available information.

### Components:

#### **Propylene glycol:**

|                       |   |  |
|-----------------------|---|--|
| Genotoxicity in vitro | : | Test Type: Bacterial reverse mutation assay (AMES)<br>Result: negative   |
|                       |   | Test Type: Chromosome aberration test in vitro<br>Method: OECD Test Guideline 473<br>Result: negative  |
| Genotoxicity in vivo  | : | Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)<br>Species: Mouse<br>Application Route: Intraperitoneal injection<br>Result: negative |

#### **Chloramphenicol:**

|                       |   |   |
|-----------------------|---|---|
| Genotoxicity in vitro | : | Test Type: DNA damage and repair, unscheduled DNA synthesis in mammalian cells (in vitro)<br>Test system: human diploid fibroblasts<br>Result: positive |
|                       |   | Test Type: DNA damage and repair, unscheduled DNA synthesis in mammalian cells (in vitro)<br>Test system: rat hepatocytes<br>Result: positive           |
|                       |   | Test Type: Bacterial reverse mutation assay (AMES)<br>Result: negative  |
|                       |   | Test Type: Chromosome aberration test in vitro<br>Test system: mammalian cells<br>Result: positive  |
| Genotoxicity in vivo  | : | Test Type: Chromosomal aberration<br>Species: Mouse<br>Cell type: Bone marrow<br>Result: positive   |

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Test Type: Micronucleus test  
Species: Mouse  
Cell type: Bone marrow  
Result: negative

Test Type: Micronucleus test  
Species: Rat  
Cell type: Bone marrow  
Result: negative

### **prednisolone:**

Genotoxicity in vitro

: Test Type: Bacterial reverse mutation assay (AMES)  
Result: negative

Test Type: Mouse Lymphoma  
Result: negative

Test Type: sister chromatid exchange assay  
Result: negative

Genotoxicity in vivo

: Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)  
Species: Rat  
Application Route: Oral  
Result: negative

Test Type: sister chromatid exchange assay  
Species: Humans  
Result: negative

### **Carcinogenicity**

Suspected of causing cancer.

### **Components:**

#### **Propylene glycol:**

Species : Rat  
Application Route : Ingestion  
Exposure time : 2 Years  
Result : negative

#### **Chloramphenicol:**

Remarks : IARC: (International Agency for Research on Cancer)  
Carcinogenicity - Assessment : Limited evidence of carcinogenicity in animal studies

#### **prednisolone:**

Species : Rat  
Application Route : Oral  
Exposure time : 18 Months

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|        |  |          |
|--------|--|----------|
| Result | :  | negative |
| IARC   | Group 2A: Probably carcinogenic to humans<br>Chloramphenicol   | 56-75-7  |
| OSHA   | No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens. |          |
| NTP    | Reasonably anticipated to be a human carcinogen<br>Chloramphenicol   | 56-75-7  |

### Reproductive toxicity

May damage fertility or the unborn child.

### Components:

#### Propylene glycol:

|                              |   |   |
|------------------------------|---|---|
| Effects on fertility         | : | Test Type: Two-generation reproduction toxicity study<br>Species: Mouse<br>Application Route: Ingestion<br>Result: negative |
| Effects on fetal development | : | Test Type: Embryo-fetal development<br>Species: Mouse<br>Application Route: Ingestion<br>Result: negative                   |

#### Chloramphenicol:

|                                    |   |  |
|------------------------------------|---|--|
| Effects on fetal development       | : | Species: Monkey, female<br>Result: No significant adverse effects were reported  |
|                                    |   | Species: Mouse<br>Developmental Toxicity: LOAEL: 500 mg/kg body weight<br>Result: Embryo-fetal toxicity., Fetal growth retardation                             |
|                                    |   | Species: Rat<br>Developmental Toxicity: LOAEL: 500 - 2,000 mg/kg body weight<br>Result: Embryo-fetal toxicity., Fetal growth retardation, Teratogenic effects. |
|                                    |   | Species: Rabbit<br>Developmental Toxicity: LOAEL: 1,000 mg/kg body weight<br>Result: Embryo-fetal toxicity., Fetal growth retardation                          |
| Reproductive toxicity - Assessment | : | Clear evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments   |

#### **prednisolone:**

|                      |   |   |
|----------------------|---|---|
| Effects on fertility | : | Test Type: Fertility/early embryonic development<br>Species: Rat<br>Application Route: Subcutaneous |
|----------------------|---|---|

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|                                    |  |
|------------------------------------|--|
|                                    | Fertility: NOAEL: 1 mg/kg body weight<br>Result: No effects on fertility.  |
| Effects on fetal development       | : Test Type: Embryo-fetal development<br>Species: Mouse<br>Application Route: Oral<br>Developmental Toxicity: LOAEL: 0.5 mg/kg body weight<br>Result: Malformations were observed., Cleft palate |
|                                    | Test Type: Embryo-fetal development<br>Species: Rat<br>Application Route: Oral<br>Developmental Toxicity: LOAEL: 30 mg/kg body weight<br>Result: decreased blood formation                       |
|                                    | Species: Rat<br>Application Route: Subcutaneous<br>Developmental Toxicity: NOAEL: 25 mg/kg body weight<br>Result: No effects on fetal development.   |
| Reproductive toxicity - Assessment | : Some evidence of adverse effects on development, based on animal experiments.  |

### STOT-single exposure

Not classified based on available information.

### Components:

#### **Chloramphenicol:**

|                    |                      |
|--------------------|----------------------|
| Routes of exposure | : Oral               |
| Target Organs      | : Blood, Bone marrow |

### STOT-repeated exposure

Not classified based on available information.

### Components:

#### **Chloramphenicol:**

|                    |                             |
|--------------------|-----------------------------|
| Routes of exposure | : Oral, Inhalation          |
| Target Organs      | : Blood, Bone marrow, Liver |

#### **prednisolone:**

|               |   |
|---------------|---|
| Target Organs | : Bone marrow, Adrenal gland, Liver                               |
| Assessment    | : Causes damage to organs through prolonged or repeated exposure. |

### Repeated dose toxicity

### Components:

#### **Propylene glycol:**

|         |             |
|---------|-------------|
| Species | : Rat, male |
|---------|-------------|

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|                   |                  |
|-------------------|------------------|
| NOAEL             | : >= 1,700 mg/kg |
| Application Route | : Ingestion      |
| Exposure time     | : 2 y            |

### **Chloramphenicol:**

|               |   |
|---------------|---|
| Species       | : Dog                                       |
| Target Organs | : Blood, Bone marrow                        |
| Symptoms      | : decrease in appetite, Reduced body weight |

### **prednisolone:**

|                   |               |
|-------------------|---------------|
| Species           | : Rat         |
| LOAEL             | : 0.6 mg/kg   |
| Application Route | : Oral        |
| Exposure time     | : 63 Days     |
| Target Organs     | : Bone marrow |

|                   |                 |
|-------------------|-----------------|
| Species           | : Dog           |
| LOAEL             | : 2.5 mg/kg     |
| Application Route | : Oral          |
| Exposure time     | : 6 Weeks       |
| Target Organs     | : Adrenal gland |

|                   |            |
|-------------------|------------|
| Species           | : Rabbit   |
| LOAEL             | : 1 mg/kg  |
| Application Route | : Oral     |
| Exposure time     | : 24 Weeks |
| Target Organs     | : Liver    |

### **Aspiration toxicity**

Not classified based on available information.

### **Experience with human exposure**

#### **Components:**

##### **Chloramphenicol:**

|                     |   |
|---------------------|---|
| General Information | : Target Organs: Blood<br>Target Organs: Bone marrow<br>Symptoms: aplastic anemia, confusion, Diarrhea, Fever, Headache, Nausea, Vomiting |
|---------------------|---|

##### **prednisolone:**

|           |   |
|-----------|---|
| Ingestion | : Symptoms: sodium retention, Headache, Vertigo, fluid retention, subcutaneous bleeding, striae, skin atrophy, menstrual irregularities |
|-----------|---|

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## SECTION 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

#### **Components:**

##### **Propylene glycol:**

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|  |   |   |
|--|---|---|
| Toxicity to fish   | : | LC50 (Oncorhynchus mykiss (rainbow trout)): 40,613 mg/l<br>Exposure time: 96 h                                      |
| Toxicity to daphnia and other aquatic invertebrates                    | : | EC50 (Ceriodaphnia dubia (water flea)): 18,340 mg/l<br>Exposure time: 48 h  |
| Toxicity to algae/aquatic plants                                       | : | ErC50 (Skeletonema costatum (marine diatom)): 19,300 mg/l<br>Exposure time: 72 h<br>Method: OECD Test Guideline 201 |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : | NOEC (Ceriodaphnia dubia (water flea)): 13,020 mg/l<br>Exposure time: 7 d   |
| Toxicity to microorganisms   | : | NOEC (Pseudomonas putida): > 20,000 mg/l<br>Exposure time: 18 h   |

### **prednisolone:**

|  |   |   |
|--|---|---|
| Toxicity to daphnia and other aquatic invertebrates                    | : | EC50 (Daphnia magna (Water flea)): > 85 mg/l<br>Exposure time: 48 h                     |
| Toxicity to algae/aquatic plants                                       | : | NOEC (Pseudokirchneriella subcapitata (green algae)): 160 mg/l<br>Exposure time: 72 h   |
|  |   | EC50 (Pseudokirchneriella subcapitata (green algae)): > 160 mg/l<br>Exposure time: 72 h |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : | NOEC (Ceriodaphnia dubia (water flea)): 0.23 mg/l<br>Exposure time: 7 d                 |

### **Persistence and degradability**

#### **Components:**

##### **Propylene glycol:**

|                  |   |   |
|------------------|---|---|
| Biodegradability | : | Result: Readily biodegradable.<br>Biodegradation: 98.3 %<br>Exposure time: 28 d<br>Method: OECD Test Guideline 301F |
|------------------|---|---|

### **Bioaccumulative potential**

#### **Components:**

##### **Propylene glycol:**

|  |   |  |
|--|---|--|
| Partition coefficient: n-octanol/water | : | log Pow: -1.07<br>Method: Regulation (EC) No. 440/2008, Annex, A.8 |
|--|---|--|

##### **prednisolone:**

|  |   |               |
|--|---|---------------|
| Partition coefficient: n-octanol/water | : | log Pow: 1.46 |
|--|---|---------------|

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|----------------|------------------------------|------------------------------|---|

### Mobility in soil

No data available

### Other adverse effects

No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

- Waste from residues : Dispose of in accordance with local regulations.  
Do not dispose of waste into sewer.
- Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.  
If not otherwise specified: Dispose of as unused product.

## SECTION 14. TRANSPORT INFORMATION

### International Regulations

#### UNRTDG

Not regulated as a dangerous good

#### IATA-DGR

Not regulated as a dangerous good

#### IMDG-Code

Not regulated as a dangerous good

### Transport in bulk according to IMO instruments

Not applicable for product as supplied.

### Domestic regulation

#### 49 CFR

Not regulated as a dangerous good

### Special precautions for user

Not applicable

## SECTION 15. REGULATORY INFORMATION

### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

- SARA 311/312 Hazards** : Combustible dust  
Carcinogenicity  
Reproductive toxicity

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### SARA 313

: The following components are subject to reporting levels established by SARA Title III, Section 313:

|                                  |           |         |
|----------------------------------|-----------|---------|
| Basic phenyl-<br>mercury nitrate | 8003-05-2 | < 0.1 % |
|----------------------------------|-----------|---------|

### US State Regulations

#### Pennsylvania Right To Know

|                  |           |
|------------------|-----------|
| Water            | 7732-18-5 |
| Propylene glycol | 57-55-6   |
| Chloramphenicol  | 56-75-7   |

#### California Prop. 65

WARNING: This product can expose you to chemicals including Basic phenylmercury nitrate, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

#### California List of Hazardous Substances

|                 |         |
|-----------------|---------|
| Chloramphenicol | 56-75-7 |
|-----------------|---------|

#### The ingredients of this product are reported in the following inventories:

|       |   |                |
|-------|---|----------------|
| AICS  | : | not determined |
| DSL   | : | not determined |
| IECSC | : | not determined |

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## SECTION 16. OTHER INFORMATION

### Further information

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## Prednisolone / Chloramphenicol Formulation

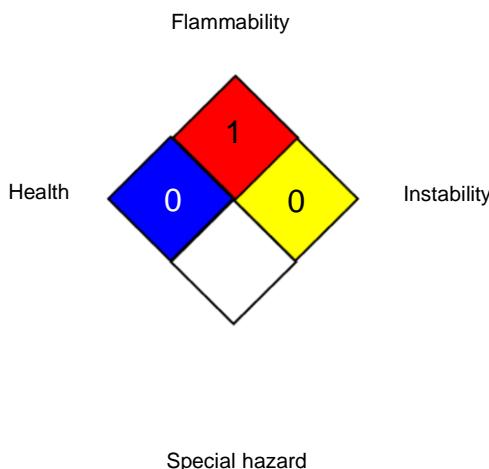
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### NFPA 704:



### HMIS® IV:



HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

### Full text of other abbreviations

|               |   |
|---------------|---|
| US WEEL       | : USA. Workplace Environmental Exposure Levels (WEEL) |
| US WEEL / TWA | : 8-hr TWA  |

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance

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Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Sources of key data used to compile the Material Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

Revision Date : 04/14/2025

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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