

Chloramphenicol Solution

Section 1. Identification

**Product Identifier**

Catalog Number: C0312

Recommended use of the chemical and restrictions on use  
For research use only. Not intended for human or animal diagnostic or therapeutic uses

Manufacture/Supplier Details: Alpha Teknova, Inc.  
2290 Bert Dr.  
Hollister, CA 95023  
Telephone Number: 831-637-1100

**Emergency Telephone Numbers**

CHEMTREC Emergency Phone Number: (800) 424-9300

Section 2. Hazard Identification

Classification of the substance/mixture: Is a hazardous substance or mixture.

**GHS Label elements, including precautionary statements**

The substance is classified and labeled according to the Globally Harmonized System (GHS).  
Is a hazardous substance or mixture.



Pictogram:

Chloramphenicol Solution

Hazard statements: May cause cancer. Causes damage to organs. Highly flammable liquid and vapor. Toxic if swallowed, in contact with skin or if inhaled.

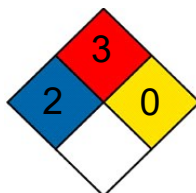
Signal word: Danger

Precautionary Statements: Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. IF exposed or concerned: Get medical advice/ attention. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Wash skin thoroughly after handling Do not eat, drink or smoke when using this product. IF exposed: Call a POISON CENTER or doctor/ physician. Dispose of contents/ container to an approved waste disposal plant. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ ventilating/ lighting/ equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Use only outdoors or in a well-ventilated area. Wear protective gloves/ eye protection/ face protection. IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Rinse mouth. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

HMIS rating (Scale 0-4):

HEALTH	2
FIRE	3
REACTIVITY	0

NFPA Rating:



Hazards not otherwise classified: None

Section 3. Composition/Information On Ingredients

Chemical Name	Identifiers	Hazardous	Approximate Percentage %
Chloramphenicol	CAS: 56-75-7	hazardous	1%
Methanol	CAS:67-56-1	hazardous	95-99%

Chemical Characterization: Mixture

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

Section 4. First-Aid Measures

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Description of necessary measures

Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.
Skin:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops or persists
Eye:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Ingestion:	Do not induce vomiting. Get medical attention if adverse health effects develop or persist.

**Most important symptoms/effects, acute and delayed**

Non further relevant information available

**Indication of any immediate medical attention and special treatment needed**

All treatment should be based on observed sign and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

**Section 5. Fire Fighting Measures**

Extinguishing media: Suitable extinguishing media:	This is a flammable solution Use an extinguishing agent suitable for the surrounding fire. Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog.
Unsuitable Extinguishing:	None known
<b>Special hazards arising from the substance or mixture</b> Unusual fire and explosion hazards: Hazardous Combustions products:	Risks of explosion of the product in presence of mechanical impact: Not available. Explosive in presence of open flames and sparks, of heat. These products are carbon oxides (CO, CO2)
Special protective equipment and precautions for the fire-fighters	Wear self-contained breathing apparatus for firefighting if necessary.

**Section 6. Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures**

Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not touch or walk through spilled material. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

**Environmental precautions**

Avoid run off to waterways and sewers.

**Methods and materials for containment and cleaning up**

Small Spill: Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Large Spill: Flammable liquid. Poisonous liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Dispose contaminated material as waste according to item 13.

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**Section 7. Handling And Storage**

Precautions for safe handling:

Keep locked up. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, metals, acids.

**Conditions for safe storage, including and incompatibilities**  
Storage:

Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Keep frozen.

Incompatible materials or Ignition sources:

Keep away from strong oxidizers.

**Section 8. Exposure Controls/Personal Protection**

**Control parameters**

Occupational exposure Limit values:

TWA: 200 from OSHA (PEL) [United States] TWA: 200 STEL: 250 (ppm) from ACGIH (TLV) [United States] [1999] STEL: 250 from NIOSH [United States] TWA: 200 STEL: 250 (ppm) from NIOSH SKIN TWA: 200 STEL: 250 (ppm) [Canada] Consult local authorities for acceptable exposure limits.

Appropriate engineering controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

**Personal protective equipment**

Eye protection:

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Splash goggles

Hand Protection:

Protective gloves. The glove material has to be impermeable and resistant to the product/the substance/ the preparation.

Respiratory Protection:

Vapor respirator

**Section 9. Physical And Chemical Properties**

Appearance	: liquid
Odor	: none
Odor Threshold	: no data available
pH	: no data available
Melting point/freezing point	: no data available
Initial boiling point & boiling range	: no data available
Flash point	: no data available
Evaporation rate	: no data available
Flammability (solid, gas)	: no data available
Partition coefficient	: no data available

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Vapor pressure	:	no data available
Vapor density	:	no data available
Relative density (water)	:	no data available
Solubility	:	Soluble in water
Upper/lower flammability or explosive limits	:	no data available
Auto-ignition temperature	:	no data available
Decomposition temperature	:	no data available
Viscosity	:	no data available
Other information:		None

**Section 10. Stability And Reactivity**

Reactivity:	No specific test data related to reactivity available for this product or its ingredients
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Under normal conditions of storage and used, hazardous reactions should not occur.
Conditions to avoid	No specific data
Incompatible materials	No specific data
Hazardous decomposition products:	Under normal conditions of storage and used, hazardous decomposition products should not be produced.

**Section 11. Toxicological Information**

**Information on toxicological effects**

**Acute toxicity**

Product/Ingredient Name	CAS	Result	Species	Dose	Exposure
Chloramphenicol Solution	-	-	-	-	-

**Irritation/Corrosion**

Product/Ingredient Name	Result	Species	Score	Exposure/Observation
Chloramphenicol Solution	-	-	-	-

Sensitization: Not available

Mutagenicity: Not available

**Carcinogenicity**

Product/Ingredient Name	OSHA	IARC	NTP
Chloramphenicol Solution	None of the ingredients listed	None of the ingredients listed	None of the ingredients listed

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Reproductive toxicity:	Not available
Teratogenicity:	Not available
Specific target organ toxicity- single exposure	Not available
Specific target organ toxicity- repeated exposure	Not available
Aspiration Hazard	Not available

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**Information on the likely routes of exposure**

Routes of entry anticipated: Oral

**Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact:** No specific data  
**Inhalation:** No specific data  
**Skin contact:** No specific data  
**Ingestion:** No specific data  
**Aspiration Hazard** No specific data

**Delayed and immediate effects and also chronic effects from short and long term exposure**

No known significant effects or critical hazards.

**Numerical measures of toxicity**

Not available

Section 12. Ecological Information

**Toxicity**

Product/ingredient name	Result	Species	Exposure
Chloramphenicol Solution	-	-	-

**Persistence and degradability:** Not available

**Bioaccumulative potential** Not available

**Mobility in soil** Not available

**Other adverse effects** Not available

**Aspiration Hazard** No known significant effects or critical hazards.

Section 13. Disposal Considerations

**Waste treatment methods**

**Product waste:** Dispose of content and/or container in accordance with local, regional, national, and/or international regulations

**Packaging waste:** Dispose of content and/or container in accordance with local, regional, national, and/or international regulations

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Section 14. Transport Information

	UN Number	UN proper shipping name	Transport hazard class(es)	Packaging group	Environmental Hazards
<b>DOT</b>	1230	Methanol	3	II	none
<b>IMDG</b>	1230	Methanol	3	II	none
<b>IATA</b>	1230	Methanol	3	II	none

**Transport in bulk according to Annex II of Marpol 73/78 and the IBC code**

This product is provided only in non-bulk containers

**Special Precautions for user**

None specified

Section 15. Regulatory Information



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**Safety health and environmental regulations/ legislation specific for the substance or mixture**

Sara	:	Not applicable
Section 355 (Extremely hazardous substances)	:	Substance is not listed
Section 313 (Specific toxic chemical listings)	:	Substance is not listed
SARA 311/312 Hazards		
No SARA Hazards		
TSCA (Toxic substances control act)	:	Substance is not listed
Proposition 65:		
Chemicals known to cause cancer	:	Substance is not listed
Chemicals known to cause reproductive toxicity or females	:	Substance is not listed
Chemicals known to cause reproductive toxicity for males	:	Substance is not listed
Chemicals known to cause developmental toxicity	:	Substance is not listed
<b>Carcinogenic categories</b>		
EPA (Environmental protection agency)	:	Substance is not listed
TLV (Threshold limit value established by ACGIH)	:	Substance is not listed
NIOSH-CA (National institute for occupational safety and health)	:	Substance is not listed
OSHA-CA (occupational safety & health administration)	:	Substance is not listed
GHS label elements	:	The product is classified and labeled according to the Globally Harmonized System (GHS).
Hazard pictograms	:	
Decomposition temperature	:	Not applicable
Viscosity	:	Not applicable
Signal Word	:	Danger
Hazard-determining components of labeling	:	Not applicable
Hazard statements	:	<p>May cause cancer. Causes damage to organs. Highly flammable liquid and vapor. Toxic if swallowed, in contact with skin or if inhaled.</p> <p>Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. IF exposed or concerned: Get medical advice/ attention. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Wash skin thoroughly after handling Do not eat, drink or smoke when using this product. IF exposed: Call a POISON CENTER or doctor/ physician. Dispose of contents/ container to an approved waste disposal plant. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ ventilating/ lighting/ equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Use only outdoors or in a well-ventilated area. Wear protective gloves/ eye protection/ face protection. IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Rinse mouth. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove victim to fresh air and keep at rest in a</p>
Precautionary statements	:	

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position comfortable for breathing.

National regulations	:	Substance is not listed
State right to know	:	Substance is not listed
Chemical safety assessment		A Chemical Safety Assessment has not been carried out.

Section 16. Other Information

**Disclaimer/Statement of Liability:** The information contained herein is believed to be accurate but is not warranted to be so. Data and calculation are based on information furnished by the manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in section 1.

**Warranty**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Teknova, inc. Shall not be held liable for any damage resulting from handling or from contact with the above product.  
Teknova, inc.

**Key to abbreviations: NDA=** No data available