



## Banff Green Technologies, Inc

TEL: 86-21-54795870 FAX: 86-21-54795870 Email: sales@banffgt.com  
ADDRESS: Floor 29, CapitaMalls Plaza, No. 6088 Humin Rd., Minhang Dist., Shanghai 201100, China

# Material Safety Data Sheet

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

### 1.1 Product identifiers

**Product name :** Chloramphenicol

**CAS No.:** 56-75-7

### 1.2 Relevant identified uses of the substance or mixture and uses advised against Identified uses:

Agricultural Chemical and Pesticide; Tumorigen; Drug; Mutagen; Reproductive Effector; Human Data; Natural Product.

### Details of the supplier of the safety data sheet

**Company:** Banff Green Technologies, Inc.

**Address:** Floor 29, CapitaMalls Plaza, No. 6088 Humin Rd.,  
Minhang Dist., Shanghai 201100  
CHINA

**Telephone/Fax:** +86 21-54795870

**E-mail address:** sales@banffgt.com

### 1.3 Emergency telephone number

Emergency Phone #: +86 21-61995660

## ★ SECTION 2: Hazards identification

**EYES:** May cause eye irritation.

**Skin:** May cause skin irritation.

**Ingestion:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause liver damage. May cause hemorrhaging of the digestive tract. Exposure may cause anemia and other blood abnormalities.

**Inhalation:** May cause respiratory tract irritation.

**EC Risk Phrase:** R 40

**EC Safety Phrase:** S 22 36/37

**UN (DOT):** 1851

## ★ SECTION 3: Composition/information on ingredients



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**Molecular formula:**  $C_{11}H_{12}N_2O_5Cl_2$

**Molecular Weight:** 323.13

**Boiling point:** 645 °C

**Density:** 1.49 g/cm<sup>3</sup>

**Character and properties:** White or light kelly needle-like or long piece cristal or criztalized powder. Bitter. Soluble in methanol, ethanol, acetone and propanediol. Stable in dry environment. Not resolved when boiled. Will lose efficacy while mixed with alkali.

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### ★ SECTION 4: First aid measures

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.

**Skin:** Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

**Ingestion:** Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.

**Inhalation:** Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

**Notes to Physician:**

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### ★ SECTION 5: Firefighting measures

#### General Information

Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

#### Extinguishing Media

To extinguish fire, use water, dry chemical, chemical foam, or alcohol-resistant foam. Use agent most appropriate to extinguish fire.

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### ★ SECTION 6: Accidental release measures

#### Small spills/Leaks

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, using the appropriate protective equipment. Avoid generating dusty conditions. Provide ventilation.

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### ★ SECTION 7: Handling and storage



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### Handling

Wash hands before eating. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation.

### Storage

Store in a cool, dry place. Store in a tightly closed container. Store protected from light.

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## ★ SECTION 8: Exposure controls/personal protection

### Exposure effects

May cause cancer in humans.

### Personal Protective Equipment

#### Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

#### Skin:

Wear appropriate gloves to prevent skin exposure.

#### Clothing:

Wear appropriate protective clothing to minimize contact with skin.

#### Respirators:

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

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## ★ SECTION 9: Physical and chemical properties

**Molecular formula:**  $C_{11}H_{12}N_2O_5Cl_2$

**Molecular Weight:** 323.13

**Boiling point:** 645 ° C

**Density:** 1.49 g/cm<sup>3</sup>

**Flash point:** 344°C

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## ★ SECTION 10: Stability and reactivity

### Chemical Stability:

Stable under normal shipping and handling conditions.

### Incompatibilities with Other Materials:

Acids, acid chlorides, acid anhydrides and oxidizing agents.

### Hazardous combustion or Decomposition products

Hydrogen chloride, nitrogen oxides, carbon monoxide, carbon dioxide.

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## ★ SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

No data available.

#### Skin corrosion/irritation

No data available.

#### Serious eye damage/eye irritation

No data available.

#### Respiratory or skin sensitization

No data available.

#### Germ cell mutagenicity

No data available.

#### Carcinogenicity

IARC: No data available.

#### Reproductive toxicity

No data available.

#### Specific target organ toxicity

##### Single exposure

No data available.

##### Specific target organ toxicity

##### Repeated exposure

No data available.

#### Aspiration hazard

No data available.

#### Additional Information

RTECS: No data available.

## ★ SECTION 12: Ecological information

### Toxicity

No data available.

### Persistence and degradability

No data available.

### Bioaccumulative potential

No data available.

### Mobility in soil

No data available.

### Results of PBT and vPvB assessment

No data available.



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### Other adverse effects

No data available.

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### ★ SECTION 13: Disposal considerations

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### ★ SECTION 14: Transport information

#### UN number

1851

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### ★ SECTION 15: Regulatory information

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

No data available.

#### Chemical Safety Assessment

No data available.

