



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 : 4-Chloro-6-ethyl-5-fluoropyrimidine

REACH No. : Not available.

CAS-No.: 137234-74-3

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

Laboratory chemicals, Manufacture of substances

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

Irritant.

Avoid prolonged exposure.

Do Not breathe vapor.

Use caution when handling.

Exposure to any chemical should be limited.

To the best of our knowledge, the health hazards of this product have not been fully investigated.

This product is provided solely for the purpose of research and development.

EMERGENCY OVERVIEW

Harmful by inhalation, in contact with skin and if swallowed.

Potential Health Effects

Eye: Causes eye irritation.

Skin: Causes skin irritation. Harmful if absorbed through the skin.

Ingestion: May cause irritation of the digestive tract. Toxic if swallowed.

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.

Chronic:



★ **SECTION 3: Composition/information on ingredients**

Synonyms: 4-CHLORO-6-ETHYL-5-FLUOROPYRIMIDINE;
6-CHLORO-4-ETHYL-5-FLUORO-1,6-DIHYDROPYRIMIDINE; 4-chloro-6-ethyl-5-fluoropyrimidine;
4-Chloro-5-fluoro-6-ethylpyrimidine; Pyrimidine, 4-chloro-6-ethyl-5-fluoro-;
4-chloro-6-ethyl-5-fluoropyrimidine

Formula: C₆H₆ClFN₂

Molecular Weight: 160.58

EC-No.:

★ **SECTION 4: First aid measures**

Eyes: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes while keeping eyes open. Cool water may be used. Seek medical attention.

Skin: After contact with skin, immediately wash with generous quantities of running water for at least 15 minutes while removing contaminated clothing and shoes. Gently and thoroughly wash affected area with running water and non-abrasive soap. Cool water may be used. Cover the affected area with emollient. If irritation persists, seek medical attention. Wash any contaminated clothing prior to reusing.

Ingestion: Do NOT induce vomiting. Give water to victim to drink. Wash out mouth with copious amounts of water for at least 15 minutes. Seek medical attention.

Inhalation: Remove the victim from the source of exposure to fresh, uncontaminated air. If victim's breathing is difficult, administer oxygen. In severe cases or if symptoms persist, seek medical attention.

Notes to Physician:

★ **SECTION 5: Firefighting measures**

General Information:

In the event of a fire involving this material, alone or in combination with other materials, use dry powder or carbon dioxide extinguishers. Protective clothing and self-contained breathing apparatus should be worn.

Extinguishing Media: Carbon dioxide, dry chemical powder, alcohol or polymer foam.

Special fire fighting procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual fire and explosion hazards/decomposition of product: Emits toxic fumes under fire conditions.



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

★ SECTION 6: Accidental release measures

General Information: Wear suitable personal protective equipment which performs satisfactorily and meets local/state/national standards as indicated in Section 8.

Spills/Leaks: Wear appropriate respirator, impervious boots and heavy rubber (or otherwise impervious) gloves. Scoop up solid material or absorb liquid material and place into appropriate container. Ventilate area and wash affected spill area after pickup is complete. (e.g. Mix with sand or similar inert absorbent material, sweep up and keep in a tightly closed container for disposal.) Wash skin immediately with plenty of water. Place solid or absorbed material into containers and close for disposal.

★ SECTION 7: Handling and storage

Handling: This product should be handled only by, or under the close supervision of, those properly qualified in the handling and use of potentially hazardous chemicals, who should take into account the fire, health and chemical hazard data given on this sheet. Ensure adequate ventilation during use. Do not breath dust, vapor, mist or gas. Have safety shower and eye wash available. Do not get in eyes, on skin or on clothing. Mechanical exhaust required.

Storage: Store in closed vessels. Keep container tightly closed. Store in a cool, dry, well-ventilated place.

★ SECTION 8: Exposure controls/personal protection

Engineering Controls: Use only in a chemical fume hood

Exposure Limits: Personal Protective Equipment

Eyes: Wear suitable eye protection (safety goggles) as described in OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear suitable protective clothing.

Face: Wear approved mask/respirator.

Hands: Wear chemical-resistant gloves/gauntlets.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

General hygiene measures: Wash thoroughly after handling. Wash contaminated clothing before reuse.

★ SECTION 9: Physical and chemical properties

Physical State: Liquid



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

Color: Yellow
Odor: Not specified
pH: Not specified
Vapor Pressure: 0.272 mmHg at 25° C
Viscosity: Not specified
Boiling Point: 211° C
Freezing/Melting Point: Not specified
Autoignition Temperature: Not specified
Flash Point: 81° C
Explosion Limits, lower: Not specified
Explosion Limits, upper: Not specified
Decomposition Temperature: Not specified
Solubility in water:
Specific Gravity/Density:

★ SECTION 10: Stability and reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Heat, flames and sparks.
Incompatibilities with Other Materials: Strong oxidizing agents. Strong acids and bases.
Hazardous Decomposition Products: Carbon monoxide, nitrogen oxides, hydrogen chloride, hydrogen fluoride, oxides of nitrogen.
Hazardous Polymerization: Has not been reported.

★ SECTION 11: Toxicological information

Acute effects: irritant. Material is irritating to mucous membranes and upper respiratory tract. To the best of our knowledge, the toxicological properties of this product have not been fully investigated or determined.

RTECS#: CAS#137234-74-3: Not available

LD50/LC50: RTECS: Not available.

Carcinogenicity: 4-Chloro-6-ethyl-5-fluoropyrimidine- Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

★ SECTION 12: Ecological information

Ecotoxicity: Do not allow material to enter drains or water courses.

Fish:



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

★ SECTION 13: Disposal considerations

Arrange disposal as special waste, by licensed disposal company, in consultation with local waste disposal authority. Dissolve or mix the material with a combustible solvent and burn in a regulated, chemical incinerator equipped with afterburner and scrubber. Observe all federal, state and local environmental regulations.

★ SECTION 14: Transport information

IATA

Shipping Name: Classed non-hazardous for air and ground shipment

Hazard Class:

UN Number:

Packing Group:

IMO

Shipping Name: Classed non-hazardous for air and ground shipment

Hazard Class:

UN Number:

Packing Group:

RID/ADR

Shipping Name: Classed non-hazardous for air and ground shipment

Hazard Class:

UN Number:

Packing group:

★ SECTION 15: Regulatory information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Xi

Risk Phrases: R 22 Harmful if swallowed.

Safety Phrases: S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

WGK (Water Danger/Protection): CAS#137234-74-3: Not available

Canada



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

CAS#137234-74-3: Not available

US FEDERAL

TSCA

CAS# 137234-74-3 is not listed on the TSCA Inventory. It is for research and development use only.

