

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Theaflavin
 Product Number : 55016
 Brand : Fluka
 Company : Sigma-Aldrich Canada, Ltd
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 CANADA
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : 3,4,6-Trihydroxy-1,8-bis(3<alpha>5,7-trihydroxy-2<alpha>-chromanyl)-5H-benzocyclohepten-5-one
 3,4,5-Trihydroxy-1,8-bis((2R,3R)-3,5,7-trihydroxy-2-chromanyl)-8-benzo(7)annulene
 Formula : C29H24O12
 Molecular Weight : 564.51 g/mol

CAS-No.	EC-No.	Index-No.	Concentration
5H-Benzocyclohepten-5-one, 1,8-bis(3-alpha,5,7-trihydroxy-2-alpha-chromanyl)-3,4,6-trihydroxy-4670-05-7	-	-	-

3. HAZARDS IDENTIFICATION

WHMIS Classification
 Not WHMIS controlled. Not WHMIS controlled.
HMIS Classification
Health Hazard: 0
Flammability: 0
Physical hazards: 0

Potential Health Effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.
Skin May be harmful if absorbed through skin. May cause skin irritation.
Eyes May cause eye irritation.
Ingestion May be harmful if swallowed.

4. FIRST AID MEASURES

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If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

5. FIRE-FIGHTING MEASURES**Flammable properties**

Flash point no data available

Ignition temperature no data available

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions**

Avoid dust formation.

Environmental precautions

Do not let product enter drains.

Methods for cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE**Handling**

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: -18 °C

Keep in a dry place. Light sensitive.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment**Respiratory protection**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

For prolonged or repeated contact use protective gloves.

Eye protection

Safety glasses

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Hygiene measures

General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form crystalline, powder

Colour red

Safety data

pH no data available

Melting point no data available

Boiling point no data available

Flash point no data available

Ignition temperature no data available

Lower explosion limit no data available

Upper explosion limit no data available

Water solubility no data available

10. STABILITY AND REACTIVITY**Storage stability**

Stable under recommended storage conditions.

Materials to avoid

Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

no data available

LD50 Intraperitoneal - mouse - 562 mg/kg

Irritation and corrosion

no data available

Sensitisation

no data available

Chronic exposure

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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Potential Health Effects**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.**Skin** May be harmful if absorbed through skin. May cause skin irritation.**Eyes** May cause eye irritation.**Ingestion** May be harmful if swallowed.**12. ECOLOGICAL INFORMATION****Elimination information (persistence and degradability)**

no data available

Ecotoxicity effects

no data available

Further information on ecology

no data available

13. DISPOSAL CONSIDERATIONS**Product**

Observe all federal, state, and local environmental regulations.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION**DOT (US)**

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION**TSCA Status**

Not On TSCA Inventory

CAS-No.

5H-Benzocyclohepten-5-one, 1,8-bis(3-alpha,5,7-trihydroxy-2-alpha-chromanyl)-3,4,6-trihydroxy-4670-05-7

DSL Status

This product contains the following components that are not on the Canadian DSL nor NDSL lists.

5H-Benzocyclohepten-5-one, 1,8-bis(3-alpha,5,7-trihydroxy-2-alpha-chromanyl)-3,4,6-trihydroxy-4670-05-7

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16. OTHER INFORMATION

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Further information

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