

1. IDENTIFICATION

Product Name	Ferulic acid acetate
Catalogue Number	FP751
Recommended Use	Laboratory research and development.
Supplier	Synthose Inc., 50 Viceroy Road, Unit 7, Concord, Ontario, L4K 3A7, Canada
Emergency Phone No.	+1-905-669-0017
Email	barbara.goss@synthose.com

2. HAZARD IDENTIFICATION

Classification

Acute toxicity, oral (Category 4)
 Serious eye damage / eye irritation (Category 2A)
 Sensitization, Respiratory (Category 1)

Label Elements

Pictogram



Signal Word Danger

Hazard Statements

H302: Harmful if swallowed
 H319: Causes serious eye irritation
 H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary Statements

P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.
 P264: Wash skin thoroughly after handling.
 P280: Wear eye protection/face protection.
 P301 + P312 + P330: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
 P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes.
 P337 + P313: If eye irritation persists: Get medical advice/attention.
 P342 + P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Ferulic acid acetate
Synonyms	3-[4-(Acetyloxy)-3-methoxyphenyl]-2-propenoic acid, 4-Acetyloxy-3-methoxycinnamic acid, 4-Acetylferulic acid, NSC 16957
CAS Number	2596-47-6
Molecular Formula	C ₁₂ H ₁₂ O ₅
Molecular Weight	236.22

Component	CAS Number	Concentration
Ferulic acid acetate	2596-47-6	100%

4. FIRST-AID MEASURES

Inhalation IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Skin Contact Wash with plenty of soap and water.

Eye Contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes.
If eye irritation persists: Get medical advice/attention.

Ingestion IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

Most Important Symptoms and Effects, Acute and Delayed

Not determined

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Unsuitable Extinguishing Media Not determined

Special Protective Equipment and Precautions for Firefighters Not determined

Specific Hazards Arising from the Hazardous Product

Hazardous Combustion Products Carbon oxides

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures Use personal protective equipment. Avoid breathing dust, fumes, gas, mist, vapours, or spray.

Methods and Materials for Containment and Cleaning Up Pick up and arrange disposal without creating dust. Sweep up and shovel or soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling Avoid breathing dust/fumes/gas/mist/vapours/spray.
Wash skin thoroughly after handling.
Wear eye protection/face protection.

Conditions for Safe Storage Store at 0 to 8 °C.

Incompatible Materials Not determined

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Guidelines Not determined

Appropriate Engineering Controls Use mechanical exhaust or laboratory fume hood to avoid exposure.

Individual Protection Measures / Personal Protective Equipment

Eye/Face Protection Wear safety glasses with side-shields, chemical safety goggles, or face shield. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection Handle with gloves. Wear long-sleeved lab coat. Do not wear open-toed shoes.

Respiratory Protection Use particle respirator for nuisance exposures. For greater protection, use half or full face mask respirator with cartridges. Respiratory equipment should be tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Off-White Solid	Flammable/Explosive Limits	Not determined
Odour	Not determined	Vapour Pressure	Not determined
Odour Threshold	Not determined	Vapour Density	Not determined
pH	Not determined	Relative Density	Not determined
Melting Point	199-201 °C	Solubility	DMSO, DMF, THF
Boiling Point	Not determined	Partition Coefficient log K_{OW}	Not determined
Flash Point	Not determined	Auto-ignition Temperature	Not determined
Evaporation Rate	Not determined	Decomposition Temperature	Not determined
Flammability (solid, gas)	Not determined	Viscosity	Not determined

10. STABILITY AND REACTIVITY

Reactivity	Not reactive
Chemical Stability	Stable under recommended storage conditions
Possibility of Hazardous Reactions	None expected under normal conditions of storage and use
Conditions to Avoid	Open flames, sparks, static discharge, excessive heat
Incompatible Materials	Not determined
Hazardous Decomposition Products	
Formed under Fire Conditions	Carbon oxides

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure	Ingestion, Eye Contact, Inhalation
Acute toxicity, oral	Harmful if swallowed ATE Oral (mg/kg) - 500
Serious eye damage / eye irritation	Causes serious eye irritation
Sensitization, Respiratory	May cause allergy or asthma symptoms or breathing difficulties if inhaled
Skin Contact	May be harmful in contact with skin, may cause skin irritation

12. ECOLOGICAL INFORMATION

Not determined

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, regional, and/or federal regulations.
Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

14. TRANSPORT INFORMATION

Not dangerous goods for transport according to IATA, IMDG, or ADR.

15. REGULATORY INFORMATION

Canada DSL / NDSL	The components of this product are on the NDSL Inventory, but are manufactured at <1,000kg per year.
USA TSCA	Positive Certification

16. OTHER INFORMATION

Latest Revision 2026-05-16

Abbreviations

ATE	Acute Toxicity Estimate	DSL	Domestic Substances List
K_{OW}	Concentration in octanol phase / Concentration in aqueous phase	NDSL	Non-Domestic Substances List
LC₅₀	Median Lethal Concentration	TSCA	Toxic Substances Control Act
LD₅₀	Median Lethal Dose	IATA	International Air Transport Association
TDL_o	Lowest Known Toxic Dose	IMDG	International Maritime Dangerous Goods
EC₅₀	Half Maximal Effective Concentration	ADR	Agreement concerning the International Carriage of Dangerous Goods by Road
RTECS	Registry of Toxic Effects of Chemical Substances		