

SAFETY DATA SHEET

Section 1 - Identification of Substance or Mixture and Company

Product identify:

Product name: Ferulic acid
Synonyms: 4-Hydroxy-3-methoxycinnamic Acid
Catalog number: PI-10204

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 identification: PI Chemicals Ltd.
633 Eshan Road,
Pudong New Area, Shanghai China, 201203

Telephone number: +86-21-58953700

Fax number: +86-21-58953701

E-mail address: info@pipharm.com

Emergency telephone number

Emergency number: +86-21-58953706

Section 2 - Hazards Identification

Classification of the substance or mixture:

Regulation (EC) No 1272/2008

Skin irritation (Category 2)

Eye irritation (Category 2A)

Specific target organ toxicity - single exposure (Category 3)

Label elements

Classification according to (EC) No 1272/2008



Signal word: Warning

Hazard statement(s):

H315: Causes skin irritation
H319: Causes serious eye irritation
H335: May cause respiratory irritation

Precautionary statement(s)

- P261:** Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- P280:** Wear protective gloves/ protective clothing/ eye protection/ face protection.
- P302 + P352:** IF ON SKIN: Wash with plenty of soap and water.
- P305 + P351 + P338:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Accroding to EU Directive 67/548/EEC or 1999/45/EC.

Symbol(s): Xi Irritant

Risk phrases:

R 36/37/38: Irritating to eyes, respiratory system and skin

Safety phrases:

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

37/39: Wear suitable gloves and eye/face protection.

HMS classification:

Health hazard: 2

Chronic health hazard: *

Flammability: 0

Physical hazards : 0

NFPA rating:

Health hazard: 2

Fire: 0

Reactivity hazard: 0

Section 3: Composition & Information on Ingredients

Molecular formula: C₁₀H₁₀O₄

Molecular weight: 194.19

Component		Concentration
CAS Number:	1135-24-6	99%
EC Number:	214-490-0	

Section 4 - First Aid Measures

Eye: Flush eyes with plenty of water for at least 15 minutes. Get medical aid if symptoms appear.

Skin: Wash skin with plenty of water at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops and persists.

Ingestion: Wash mouth out with water. Get medical aid immediately.

Inhalation: Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical aid.

Section 5 – Fire-Fighting Measures

Extinguishing media: Water spray. Carbon dioxide (CO₂). Dry chemical. chemical foam.

Special hazards arising from the substance or mixture: Carbon oxides

Advice for firefighters: Wear a self-contained breathing apparatus for fire fighting if necessary

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Use proper personal protective equipment as indicated in Section 8.

Environmental precautions: Prevent further spillage or leakage when safe and capable

Methods and materials for containment and cleaning up:

Vacuum or sweep up material and keep in a suitable closed container for disposal. Do not flush with water.

Section 7 - Handling and Storage

Precautions for safe handling:

Provide appropriate exhaust ventilation at places where dust is formed. Avoid contact with skin, eyes and clothes. Avoid inhalation of vapors and spray mist.

Conditions for safe storage, including any incompatibilities:

Store in a dry, well-ventilated place. Keep tightly closed.

Section 8 - Exposure Controls/Personal Protection

Control parameters:

Contains no materials with occupational exposure limits.

Exposure controls:

Ensure well ventilation, good industrial hygiene and safety practice.

Personal protective equipment

Eye/Face protection:

Wear appropriate protective eyeglasses under the standards such as EN166(EU) or type ABEK(EN14387).

Skin/Body protection:

Wear appropriate protective gloves which have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN374 derived from it to prevent skin exposure. Dispose of contaminated gloves in accordance with applicable laws. Wash and dry hands.

Wear appropriate protective clothing to prevent skin exposure.

Respiratory protection:

Use an approved respirator and components under appropriate government standards such as NIOSH(US) or CEN(EU) if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9- Physical and Chemical Properties

Physical state:	Crystals
Color:	white or citron yellow
Odour:	Odourless
Melting point/freezing point:	170 - 174°C
Initial boiling point and boiling range:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Flammability(solid, gas):	No data available
Upper/lower flammability or explosive limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Relative density:	No data available
Solubility:	Soluble in water
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available

Section 10-Stability and Reactivity

Reactivity:	No data available
Chemical stability:	Stable under recommended temperatures and pressures
Possibility of hazardous reactions:	No data available
Conditions to avoid:	Incompatible products.
Incompatible materials:	Strong oxidizing agents.
Hazard Decomposition products:	Carbon oxides

Section 11 - Toxicological Information

Acute toxicity:	
Component:	Ferulic acid
LD50 Oral - rat -	No data available
LD50 Subcutaneous - rat -	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:	
Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.	
Reproductive toxicity:	No data available
Specific target organ toxicity(STOT)-single exposure:	No data available

Specific target organ toxicity (STOT)-repeated exposure: No data available

Aspiration hazard: No data available

Additional information: RTECS#: UD3365500G

Section 12 – Ecological Information

Toxicity: No data available

Component: 5(6)-carboxynaphthofluorescein diacetate

LC50 - Oncorhynchus mykiss (rainbow trout) - No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Component: 5(6)-carboxynaphthofluorescein diacetate

Mobility in soil: No data available

Results of PBT and vPvB assessment: No data available

Other adverse effects: No data available

Section 13 - Disposal Consideration

Waste treatment methods

Product: Dispose of in accordance with federal, state and local environmental regulations

Contaminated packaging: Dispose of as unused product

Section 14 - Transport Information

IATA

Not dangerous goods.

IMDG

Not dangerous goods.

RID/ADR

Not dangerous goods.

DOT(US)

Not dangerous goods.

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

Section 16 – Other Information

SDS creation date: Nov 19, 2012

Update: May 06, 2013

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