



Tianjin Chengyi International Trading Co., Ltd.

Safety Data Sheet

Version: 6.1

Revision date: Jul. 10, 2023

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers

Product name: ActiveSol FRA

INCI name: Ferulic Acid

CAS-No. 1135-24-6

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

It is widely used as an active ingredient for skin care products such as whitening, anti-aging, anti-wrinkle and other applications.

1.3 Details of the supplier of the safety data sheet

Company: Tianjin Chengyi International Trading Co., Ltd.

Address: 8th floor 5th Building of North America N1 Cultural and Creative Area, No. 95 South Sports Road, Xiaodian District, Taiyuan, Shanxi, China

Tel: +86 351-8281246

Fax: +86 351-8206170

1.4 Emergency telephone number

+86 351-8281246

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.2 Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

2.3 Other hazards

Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

INCI Name: Ferulic Acid

CAS No.: 1135-24-6

EC No.: 214-490-0

Composition%: $\leq 100\%$

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

In case of skin contact



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Wash off with soap and plenty of water.

In case of eye contact

Flush eyes gently with water for at least 15 minutes while holding eyelids apart: seek immediate medical attention.

If swallowed

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

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

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

5.2 Special hazards arising from the substance or mixture

no data available

5.3 Advice for firefighters

Wear protective clothing to prevent contact with skin and eyes.

Wear self-contained breathing apparatus.

5.4 Further information

No data available.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.

6.2 Environmental precautions

Do not empty into drains/surface water/ground water.

6.3 Methods and materials for containment and cleaning up

Remove with liquid-absorbing material(sand, peat, sawdust).

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Do not handle or use product until safety precautions recommended in the SDS have been read and fully understood. Avoid open flames. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Protect against light. Keep container tightly closed and dry. Keep away from heat. Keep away from: Alkalis and caustic products.

7.3 Specific end use(s)



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A part from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls:

Appropriate engineering controls

Change contaminated clothing. Wash hands after working with substance.

Personal protective equipment

Respiratory protection

Respirator with organic vapor cartridge. Not applicable with adequate ventilation.

Hand protection

Protective gloves made of plastic or rubber.

Eye protection

Safety glasses with side shields

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Specific engineering controls

Use mechanical exhaust or laboratory fume hood to avoid exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance	Form: powder Colour: Off white to slight pink
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	173 - 176 °C
f) Initial boiling point and boiling range	439 °C
g) Flash point	no data available
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	Not applicable
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	no data available
n) Water solubility	no data available
o) Partition coefficient n-octanol/ water	no data available
p) Autoignition temperature	no data available
q) Decomposition temperature	no data available



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- r) Viscosity no data available
 - s) Explosive properties no data available
 - t) Oxidizing properties no data available
- 9.2 Other safety information
no data available

10. STABILITY AND REACTIVITY

10.1 Chemical stability

Stable under recommended storage and handling conditions.

10.2 Possibility of hazardous reactions

no data available

10.3 Conditions to avoid

no data available.

10.4 Incompatible materials

Strong oxidizing agents.

10.5 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions-Carbon oxides.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Oral: No data available

Inhalation: No data available

Dermal: No data available

Skin corrosion/irritation

Remarks: No data available

Serious eye damage/eye irritation

Remarks: No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard



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No data available

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Acute fish toxicity

Oncorhynchus mykiss (previous name: Salmo gairdneri) and Lepomis macrochirus-EC0-5 mg/L-24h;NOEC-5 mg/L-24h

12.2 Persistence and degradability

Biodegradation in water

Experimental study--86% degradation (CO₂ evolution)-24d

Ferulic acid is expected to easily degrade in water under anaerobic conditions. However, this testing does not allow to conclude on rapid degradability of the substance in the regulatory meaning of the term.

12.3 Bioaccumulative potential

An estimated BCF of 3.2 was calculated in fish for ferulic acid, using a measured log K_{ow} of 1.51 (1) and a regression-derived equation (2). According to a classification scheme(3), this BCF suggests the potential for bioconcentration in aquatic organism is low(SRC), provided the compound is not metabolized by the organism(SRC).

12.4 Mobility in soil

The K_{oc} of ferulic acid is estimated as 57(SRC), using a log K_{ow} of 1.51(1)(SRC) and a regression-derived equation(2). According to a classification scheme(3), this estimated K_{oc} value suggests that ferulic acid is expected to have high mobility in soil. The pK_a of ferulic acid is 4.58(4), indicating that this compound will almost entirely exist in the anion form in the environment. Anions generally do not adsorb more strongly to soils containing organic carbon and clay, in comparison with their neutral counterparts(5).

12.5 Results of PBT and vPvB assessment

The substance is not PBT / vPvB.

12.6 Endocrine disrupting properties:

No data available

12.7 Other adverse effects:

No data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product

14. TRANSPORT INFORMATION

14.1 ADR/RID

UN number: -

Class: -

Packing group: -

Proper shipping name: Not dangerous goods

Environmental Hazard: no



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14.2 IMDG

UN number: - Class: - Packing group: -

Proper shipping name: Not dangerous goods

Environmental Hazard: no

14.3 IATA

UN number: - Class: - Packing group: -

Proper shipping name: Not dangerous goods

Environmental Hazard: no

15. REGULATORY INFORMATION

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

This material safety data sheet complies with the requirements of GHS.

15.2 Chemical Safety Assessment

no data available

16. OTHER INFORMATION

Further information

Tianjin Chengyi International Trading Co., Limited. gives no warranty, express or implied, as to the accuracy or completeness of this information. It is the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions and/or compliance with federal, state, and local laws and regulations.