

## Natural Ferulic Acid

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /  
March 26, 2012 / Rules and Regulation

Revision Date: 01/06/2020  
Supersedes: 08/22/2019

### 1 PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Natural Ferulic Acid  
**Synonyms:** No data available  
**INCI Name:** Ferulic Acid  
**CAS Number:** 1135-24-6  
**Formula:** No data available  
**Product Form:** Powder  
**Product Use:** Cosmetic use

**Distributor:** MakingCosmetics Inc.  
**Address:** 10800 231<sup>st</sup> Way NE  
Redmond, WA 98053 (USA)  
**Phone / Fax:** 425-292-9502 / 425-292-9601  
**Web:** [www.makingcosmetics.com](http://www.makingcosmetics.com)

**Emergency Telephone Number: 1-800-424-9300 (Chemtrec)**

### 2 HAZARDS IDENTIFICATION

**GHS Classification:** 3.2: Skin Irrit.2  
3.3: Eye Irrit. 2  
3.8R: STOT SE 3

**GHS Hazard Pictograms:**



**GHS Signal Word:** WARNING  
**GHS Hazard Statements:**

H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H335: May cause respiratory irritation.  
P280: Wear protective gloves/eye protection.  
P302+P352: IF ON SKIN: Wash with plenty of 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.  
**Potential Health Hazards:** Eyes: Causes serious eye irritation.  
Inhalation: Causes slight to moderate irritation, cough, Dyspnoea.  
Skin: Causes skin irritation.  
Ingestion: May cause irritation.

**NFPA Ratings (704):**

Health	N/A	N/A
Flammability	N/A	N/A
Reactivity	N/A	N/A
Specific Hazard	N/A	

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Natural Ferulic Acid	1135-24-6	Not Available	194.2 g/mol

### 4 FIRST AID MEASURES

**Eyes:** In case of eye contact, rinse with plenty of clean, fresh water for at least 10 minutes, holding the eyelids apart. Seek medical attention if necessary.  
**Inhalation:** If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.  
**Skin:** Flush with plenty of water and wash using soap. Get medical attention if irritation occurs.

**Ingestion:** Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Get medical attention if necessary.

## 5 FIRE-FIGHTING MEASURES

**Suitable (and unsuitable) extinguishing media:** May be combustible at high temperature. Use appropriate media (foam, carbon dioxide, dry chemical) for adjacent fire. Do not use water.

**Special protective equipment & precautions for firefighters:** Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

**Flash Points:** No data available

**Specific hazards arising from the chemical:** Combustible. See also Stability and Reactivity section.

## 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment & emergency procedures:** Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.

**Environmental precautions:** Avoid liquid release into sewers/public water. Notify environmental authorities in case of large leaks.

**Methods and material for containment and cleaning up:** Sweep up and place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

## 7 HANDLING & STORAGE

**Precautions for safe handling:** See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use.

**Conditions for safe storage, incl. any incompatibilities:** Store in cool, dry well-ventilated area. Keep away from heat and incompatible materials (see section 10 for incompatibilities).

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Natural Ferulic Acid	WEL	10 mg/m <sup>3</sup>	WEL
Natural Ferulic Acid	WEL	4 mg/m <sup>3</sup>	WEL

TWA: Time Weighted Average over 8 hours of work.  
 TLV: Threshold Limit Value over 8 hours of work.  
 REL: Recommended Exposure Limit  
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.  
 IDLH: Immediately Dangerous to Life or Health  
 WEEL: Workplace Environmental Exposure Levels  
 CEIL: Ceiling

### Personal Protection:

**Eyes:** Safety goggles with side protection.

**Inhalation:** Respiratory protection necessary at: dust formation. Particulate filter device (EN 143). P1 (filters at least 80% of airborne particles, color code: white).

**Body:** Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Nitrile rubber, >0.11mm thickness, breakthrough times of the glove material >480m (permeation: level 6).

**Other:** Do not take internally. Do not eat or drink when handling. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance, Physical State:</b>	Solid (powder, crystalline)	<b>Vapor Pressure:</b>	Same as water
<b>Odor:</b>	No data available	<b>Vapor Density:</b>	Same as water
<b>Odor Threshold:</b>	No data available	<b>Evaporation Rate:</b>	No data available
<b>Color:</b>	No data available	<b>Flammability:</b>	Non-flammable
<b>Molecular Weight:</b>	No data available	<b>Upper/lower Explosive Limit:</b>	No data available
<b>pH:</b>	No data available	<b>Flash Point:</b>	No data available
<b>Boiling Point:</b>	No data available	<b>Specific Gravity:</b>	1.16
<b>Melting Point:</b>	169-172 °C	<b>Solubility in Water:</b>	Partly soluble
<b>Relative Density:</b>	No data available	<b>Auto-Ignition Temperature:</b>	None
<b>Partition Coefficient: n-octanol/water:</b>	1.42 (calculated value)	<b>Decomposition Temperature:</b>	No data available
<b>Viscosity:</b>	Not relevant (solid matter)	<b>Explosive Properties:</b>	None
<b>Oxidizing Properties:</b>	None	<b>Freezing Point:</b>	169-172 °C
<b>% Volatile by Volume:</b>	No data available		

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.
<b>Chemical Stability:</b>	This material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
<b>Hazardous Polymerization:</b>	Violent reaction with: strong oxidizers
<b>Conditions to Avoid:</b>	There are no specific conditions known which have to be avoided.
<b>Incompatible Materials:</b>	Strong oxidizers
<b>Hazardous Decomposition Products:</b>	Carbon monoxide, carbon dioxide.

## 11 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	Shall not be classified as acutely toxic.
<b>Skin:</b>	Causes skin irritation.
<b>Eyes:</b>	Causes serious eye irritation.
<b>Respiratory:</b>	Shall not be classified as a respiratory or skin sensitizer.
<b>Ingestion:</b>	No data available
<b>Carcinogenicity:</b>	Shall not be classified as carcinogenic.
<b>Teratogenicity:</b>	No data available
<b>Germ Cell Mutagenicity:</b>	Shall not be classified as germ cell mutagenic.
<b>Embryotoxicity:</b>	No data available
<b>Specific Target Organ Toxicity:</b>	May cause respiratory irritation (single exposure). Shall not be classified as a specific target organ toxicant (repeated exposure).
<b>Reproductive Toxicity:</b>	Shall not be classified as a reproductive toxicant.
<b>Respiratory/Skin Sensitization:</b>	Shall not be classified as a respiratory or skin sensitizer.
<b>Corrosivity:</b>	No data available
<b>Sensitization:</b>	No data available
<b>Irritation:</b>	No data available
<b>Repeated Dose Toxicity:</b>	Shall not be classified as a specific target organ toxicant (repeated exposure).

## 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	
<b>Aquatic Vertebrate:</b>	Shall not be classified as hazardous to the aquatic environment
<b>Aquatic Invertebrate:</b>	Shall not be classified as hazardous to the aquatic environment

<b>Terrestrial:</b>	Shall not be classified as hazardous to the aquatic environment
<b>Persistence and Degradability:</b>	Theoretical Oxygen demand: 1.73 mg/mg Theoretical Carbon Dioxide: 2,266 mg/mg
<b>Bioaccumulative Potential:</b>	Does not significantly accumulate in organisms. n-octanol/water (log KOW): 1.42
<b>Mobility in Soil:</b>	No data available
<b>PBT and vPvB Assessment:</b>	No data available
<b>Other Adverse Effects:</b>	Slightly hazardous to water.

## 13 DISPOSAL CONSIDERATIONS

<b>Waste Residues:</b>	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.
<b>Product Containers:</b>	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

## 14 TRANSPORT INFORMATION

<b>DOT (Dept. of Transportation, USA):</b>	No data available
<b>TDG (Transportation of Dangerous Goods, Canada):</b>	No data available
<b>IMDG (International Maritime Dangerous Goods):</b>	Not regulated as a dangerous good
<b>IATA (International Air Transport Association):</b>	No data available
<b>ICAO (International Civil Aviation Organization):</b>	No data available

## 15 REGULATORY INFORMATION

<b>TSCA Inventory Status:</b>	No data available
<b>DSCL (EEC):</b>	No data available
<b>WHMIS (Canada):</b>	No data available
<b>EU EINECS/ELINCS/NLP:</b>	Not listed
<b>China IECSC:</b>	No data available
<b>China IECIC (06.30.2014):</b>	No data available
<b>Australia AICS:</b>	No data available
<b>New Zealand NZIoC:</b>	No data available

## 16 OTHER INFORMATION

<b>Revision Date:</b>	01/06/2020
<b>Compliance:</b>	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
<b>Disclaimer:</b>	This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.