

# Safety data sheet

Release date:Sept.19,2022

version:1.0

## SECTION 1: Product and company identification

Product name	:VANILLIN EX FERULICACID NATURAL
CAS No.	:121-33-5
Supplier name	:SHENZHEN SIYOMICRO BIO-TECH CO.,LTD
Supplier address	:C801-C812, Precision Digital Culture Park, No. 39, Qingfeng Avenue, Baolong Street, Longgang District, Shenzhen.
Zip code	:518116
E-mail address	: <a href="mailto:global@siyobio.com">global@siyobio.com</a> ; <a href="mailto:siyo@siyobio.com">siyo@siyobio.com</a>
Emergency telephone number	:+86-0755-85216650

## SECTION 2: Hazard identification

Emergency overview	:For emergency response in china,please call emergency consulting +86-0755-85216650. All other countries call chemtrec (+1) 703 527 3887.
Classification of the substance or mixture	
GHS Label elements	:Pictograms on label shall be in the shape of a square set at a point and shall include a black hazard symbol on a white background with a red frame sufficiently wide to be clearly visible. The substance is classified and labeled according to the Globally Harmonized System (GHS).
Hazard pictograms	
Signal word	:Warning
Hazard statements	:H319 Causes serious eye irritation
Precautionary statements	:P264 Wash thoroughly after handling. P280 Wear eye protection / face protection. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention.

## SECTION 3: Composition/information on ingredients

Formula	:C <sub>8</sub> H <sub>8</sub> O <sub>3</sub>
Molecular Weight	:152.15
CAS-No	:121-33-5
EC-No	:204-465-2
FEMA No.	:3107

## SECTION 4: First aid measures

Description of first aid measures	
General advice	:Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	:Please leave the scene quickly to fresh air and consult doctor in case of complaints.
In case of skin contact	:Generally the product does not irritate the skin.

In case of eye contact	:Rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.
If swallowed	:Rinse mouth with water. Consult a physician.
Most important symptoms and effects, both acute and delayed	:No data available
Indication of any immediate medical attention and special treatment needed	:No data available

**SECTION 5: Firefighting measures**

Extinguishing media	:Water Foam Carbon dioxide (CO2) Dry powder
Special hazards arising from the substance or mixture	:No data available
Advice for firefighters	:Wear self-contained breathing apparatus for fire-fighting if necessary.
Further information	:No data available

**SECTION 6: Accidental release measures**

Personal precautions protective equipment and emergency procedures	: It is recommended that emergency personnel wear air-contained breathing apparatus, anti-static clothing, and rubber and oil-resistant gloves. Do not touch or cross the spill. All equipment used during operation should be grounded. Cut off the source of leakage as much as possible. According to the area affected by liquid flow, steam or dust diffusion, the warning zone shall be delineated, and unrelated personnel shall be evacuated from the crosswind and upwind direction to the safe area.
Environmental protection measures	: Contain leaks to avoid environmental pollution. Prevent leaks from entering sewers, surface water and groundwater.
Methods and materials for containment and cleaning up	: Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.
Additional advice	: Comply with all applicable national and local regulations

**SECTION 7: Handling and storage**

Precautions for safe disposal	: Operators should be specially trained and strictly abide by the operating procedures. Closed operation, prevent dust and other impurities pollution. Avoid contact with eyes. See section 8 for personal protective measures. Keep away from fire and heat sources, and smoking is strictly prohibited in the workplace. Use explosion-proof ventilation systems and equipment. Avoid contact with incompatible materials such as oxidants (refer to section 10 for incompatible materials). When handling, load and unload with care to prevent damage to packaging and containers. Empty containers may leave hazardous materials. Wash hands after use and prohibit eating or drinking in the workplace.
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Equipped with corresponding types and quantities of fire-fighting equipment and leakage emergency treatment equipment.

Storage area and container requirements : Store in the original container and packaging to avoid dust generation as much as possible. Keep away from direct sunlight and high heat.

Store in a dry airtight container.

Depot installation of lightning protection equipment.

Prohibit the use of spark-prone equipment and tools.

The storage area should be equipped with spill response equipment and suitable shelter materials.

General storage recommendations :Airtight, dry, dark place.

Specific end use(s) :No data available

### SECTION 8: Exposure controls/personal protection

#### Control parameters.

Product name	INCI name	CAS No.
VANILLIN EX FERULICACID NATURAL	VANILLIN	121-33-5

Exposure controls :

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

Engineering control :The workplace is recommended to be separated from other workplaces. Closed operation to prevent pollution.

Set up automatic alarm device and emergency ventilation facilities.

Emergency evacuation routes and necessary flood discharge areas shall be set up.

Set up warning signs and warning instructions in Chinese, and set up a communication alarm system.

Provide safe shower and eye washing facilities.

Personal protective equipment

Eye/face protection :Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection : Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove 's outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands..

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### SECTION 9: Physical and chemical properties

Appearance and Character	:
Physical State	:crystalline, powder
Color	:light yellow
Smell	:Characteristic odor.
pH(10% aqueous dispersion)	:4.3 at 10 g/L at 20 °C
Odor threshold	:No data available.
Main application	:Used of cosmetics and food.

**Security measures**

Flash point	:159.8 - 160.8 °C - closed cup - Regulation (EC) No. 440/2008, Annex, A.9
Ignition temperature	: No data available.
Lower explosion limit	: No data available.
Upper explosion limit	: No data available.
Oxidizing	: No data available.
Autoignition temperature	: No data available.
Decomposition temperature	: No data available.
Molecular weight	: No data available.
Melting point/freezing point	:Melting point/range: 81 - 83 °C - lit.
Boiling point	:170 °C at 20 hPa - lit
Sublimation point	: No data available.
Vapor pressure	: No data available.
Density	:1.056 g/cm <sup>3</sup> at 20 °C
Bulk density	: No data available.
Water solubility	:9 g/l at 25 °C
Partition coefficient of n-octanol water	:log Pow: 1.21 at 25 °C - Bioaccumulation is not expected.
Solubility in other solvents	: No data available.
Dynamic viscosity	: No data available.
Kinematic viscosity	: No data available.
Flow time	: No data available.
Impact sensitivity	: No data available.
Vapor density	:< 0.01 hPa at 25 °C
Surface tension	: No data available.
Evaporation rate	: No data available.

**SECTION 10: Stability and reactivity**

Reactivity	: No data available.
Chemical stability	: The product is chemically stable under standard ambient conditions (room temperature).
Conditions to avoid	: Strong oxidant. Strong reducing.
Possibility of hazardous reactions	: No data available.
Incompatible materials	: No data available.
Hazardous decomposition products	: No data available.

**SECTION 11: Toxicological properties**

Information on toxicological effects	
Acute toxicity	: 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	: No data available.
Reproductive toxicity	: No data available.
Specific target organ toxicity - single exposure	: No data available.
Specific target organ toxicity - repeated exposure	: No data available.
Aspiration hazard	: No data available.
Additional Information	: No data available.

#### **SECTION 12: Ecological information**

Ecological Toxicity	: No data available.
Persistence and degradability	: No data available.
Bio-accumulative potential	: No data available.
Mobility in soil	: No data available.
Results of PBT and vPvB assessment	: No data available.
Other adverse effects	: No data available.

#### **SECTION 13: Disposal considerations**

Waste treatment methods	: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Send to the environment & Sanitation department or special place with burning. Disposition noticed: store and disposition should refer to National and Local's relate law.
Contaminated packaging	: Return the container to the manufacturer or dispose of it in accordance with national and local regulations.

#### **SECTION 14: Transport information**

UN number	: No regulated.
UN proper shipping name	: No regulated.
Transport hazard class (es)	: No regulated.
Environmental hazards	: No regulated.
Special precautions for use	: Prevent exposure to sunlight, rain and high temperature during transportation. transport vehicles should be equipped with the appropriate variety and quantity of fire fighting equipment and leakage emergency treatment equipment. It is strictly prohibited to mix with oxidants, edible chemicals, etc. The exhaust pipe of the vehicle carrying the item must be equipped with fire suppression devices. The use of tank truck transport should be grounded chain, the tank can be set up a hole baffle to reduce the shock generated static electricity. It is prohibited to use mechanical equipment and tools that are prone to spark. In summer, it ' s better to transport them sooner or later. Transportation should be exposed to the sun, rain, high temperature. Stay away from fire, heat and high temperature area during stopover. Road transport should follow the prescribed route, do not stay in

residential areas and densely populated areas.

It is forbidden to slip away in railway transportation.

It is strictly prohibited to transport in bulk by wooden ship or cement ship.

Dangerous signs and announcements shall be posted on the means of transport according to relevant transport requirements.

#### **SECTION 15: Regulatory information**

The following laws, regulations, rules and standards shall provide for the management of the chemical:

Chemicals known to cause cancer	: No listed
Chemicals known to cause reproductive toxicity	: No listed
Chemicals known to cause developmental toxicity	: No listed
Extremely hazardous substances	: No listed
Specific toxic chemical listings	: No listed
Hazardous Air Pollutants	: No listed
EPA (Environmental Protection Agency)	: No listed
TLV (Threshold Limit Value established by ACGIH)	: No listed
NIOSH-Ca (National Institute for Occupational Safety and Health)	:No listed

#### **SECTION 16: Additional information**

##### **Compile and revise information:**

This edition is the 1.0 edition, compiled according to EC 1907/2006 series classification standard.

References:

- [1] International Programme on Chemical Safety, ICSC website:<http://www.ilo.org/dyn/icsc/showcard.home>.
- [2] The International Agency for Research on Cancer, website:<http://www.iarc.fr/>.
- [3] OECD Global Chemicals Information Platform, website:  
[http://www.echemportal.org/echemportal/index?pageID=0&request\\_locale=en](http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en).
- [4] U.S. CAMEO Chemical Substances Database, website:<http://cameochemicals.noaa.gov/search/simple>.
- [5] American Library of Medicine: Chemical Identification database, website:  
<http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>.
- [6] United States Environmental Protection Agency: Integrated Hazard Information System, web site:  
<http://cfpub.epa.gov/iris/>.
- [7] U.S. Department of Transportation: Emergency Response Guidelines,website:  
<http://www.phmsa.dot.gov/hazmat/library/erg>.
- [8] German GESTIS- Harmful Substances Database, website: <http://gestis-en.itrust.de/>.

##### **Disclaimer:**

The information in this MSDS applies only to the specified product, unless otherwise specified, and does not apply to mixtures of the product and other substances.

This MSDS only provides safety information for those who have been properly trained to use this product.

The user of this MSDS shall make an independent judgment on the applicability of this MSDS. The author of this MSDS shall not be liable for any damage caused by the use of this MSDS.