


**MATERIAL SAFETY DATA SHEET****BESTVANIL™****VANILLIN NATURAL EX FERULIC ACID****1. Identification**

- Chemical name 4-Hydroxy-3-Methoxy Benzaldehyde
- Synonyms Methylprotocatechuic Aldehyde; Vanillaldehyde; Vanillic
- Molecular Formula  $C_8H_8O_3$
- Molecular Weight 152.15
- CAS No. 121-33-5
- FEMA No. 3107
- EINECS No. 204-465-2
- FDA -
- CoE 107
- REACH registration number 01-2119516040-60-0004
- Only representative Chemical Inspection & Regulation service Limited
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**2. Hazards identification**

- **Classification of the substance or mixture**  
**Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]**  
Eye irritation (Category 2) H319
- **Label elements**  
**Labelling according Regulation (EC) No 1272/2008 [CLP]**  
Pictogram   
Signal word Warning  
Hazard statement(s)  
H319 Causes serious eye irritation.  
Precautionary statement(s)  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Supplemental Hazard Statements none
- **Other hazards** none

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### 3. **Composition/information on ingredients**

- Vanillin Ex Ferulic Acid ≥ 99.5%
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### 4. **First aid measures**

- **Eye contact:**  
Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.  
Get medical aid.
  - **Skin contact:**  
Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
  - **Inhalation:**  
Remove from exposure and move to fresh air immediately. Get medical aid.
  - **After ingestion:**  
Get medical aid. Wash mouth out with water.
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### 5. **Fire-fighting measures**

- **General Information:**  
As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
  - **Extinguishing Media:**  
Use water spray, dry chemical, carbon dioxide, or chemical foam.
  - **Special method of fire-fighting**  
Cool endangered containers with water spray; Containers may explode when heated.
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### 6. **Accidental release measures**

- **General Information:**  
Use proper personal protective equipment as indicated in Section 8.
  - **Spills/Leaks:**  
Vacuum or sweep up material and place into a suitable disposal container.
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### 7. **Handling and storage**

- **Handling:**  
Avoid contact with skin and eyes. Avoid formation of dust and aerosols.  
Provide appropriate exhaust ventilation at places where dust is formed.
  - **Storage:**  
Store in cool place. Keep container tightly closed in a dry and well-ventilated place.  
Moisture sensitive.
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## 8. Exposure controls and personal protection

- Technical measures            Local exhaust ventilation necessary  
Take precautionary measures against electrostatic charging  
Processing in closed systems, if possible superposed by inert gas (e.g. nitrogen).
- Engineering Controls        Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower..
- Respiratory protection      In case of olfactory nuisance: respirator with independent air supply or mask with activated charcoal filter
- Eyes                             Safety glasses
- Hand                             Protective gloves
- Skin                              Wear appropriate protective clothing to prevent skin exposure

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## 9. Physical and chemical properties:

- Form                             Crystal, usually needles
- Color                            Fine, white to slightly yellow
- Odor                             Odor and taste of vanilla
- pH value at 10g/l H<sub>2</sub>O        N/A
- Boiling point                 170 °C at 20 hPa – lit.
- Flash point                    N/A
- Melting point                 81–83 °C
- Explosive properties         N/A
- Lower explosion limit       N/A
- Upper explosion limit       N/A
- Ignition temperature        N/A
- Oxidizing properties        N/A
- Vapor pressure                1 hPa at 107 °C  
< 0.01 hPa at 25 °C  
0.0022 hPa at 25 °C
- Solubility in water           1 g soluble in 100 ml water
- Organic solvents             Soluble in alcohol

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## 10. Stability and reactivity

- Chemical Stability            Stable at room temperature in closed containers under normal storage and handling conditions.
- Conditions to Avoid         Ignition sources, excess heat, freezing temperatures, confined
- Substances to be avoided    Metals, strong oxidizing agents, strong bases.
- Hazardous decomposition    Carbon dioxide, carbon monoxide.
- Hazardous                      Will not occur.

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- **Chemical Safety Assessment**  
no data available

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## **16. Other information**

- Document Number B-N31071-09
- Creation Date Jan. 20, 20
- Revision 9.0
- Disclaimer The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

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