

MATERIAL SAFETY DATA SHEET

$\mathbf{BESTVANIL}^{\mathbf{TM}}$

VANILLIN NATURAL EX FERULIC ACID

1. Identification

Chemical name
 4-Hydroxy-3-Methoxy Benzaldehyde

Synonyms Methylprotocatechuic Aldehyde; Vanillaldehyde; Vanillic

Molecular Formula C₈H₈O₃
 Molecular Weight 152.15
 CAS No. 121-33-5
 FEMA No. 3107
 Einecs No. 204-465-2

FDA -CoE 107

REACH registration 01-2119516040-60-0004

number

Only representtive 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

➂

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%

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.

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.

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.

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 glassesHand Protective gloves

Skin Wear appropriate protective clothing to prevent skin exposure

9. Physical and chemical properties:

Form Crystal, usually needles

Color
 Fine, white to slightly yellow

Odor and taste of vanilla

pH value at 10g/l H₂O N/A

Boiling point
 170 °C at 20 hPa – lit.

• Flash point N/A

• Melting point 81~83 ℃

• 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

10. Stability and reactivity

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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11. Toxicological information

Acute toxicity
 LD50 Oral - Rat - male and female - 3,978 mg/kg

LD50 Dermal - Rat - male and female - > 2,000 mg/kg

Sensitization No information available.Mutagenicity No information available.

Other Studies
 See actual entry in RTECS for complete information.

12. Ecological information

Toxicity

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 57 mg/l - 96 h

(OECD Test Guideline 203)

Toxicity to daphnia

EC50 - Daphnia magna (Water flea) - 36.6 mg/l - 48 h

and other aquatic invertebrates

Toxicity to algae ErC50 - Pseudokirchneriella subcapitata (green algae) - 120 mg/l -

72 h (OECD Test Guideline 201)

NOEC - Pseudokirchneriella subcapitata (green algae) - 47 mg/l - 72

h (OECD Test Guideline 201)

Toxicity to bacteria IC50 - microorganisms - 163 mg/l - 40 h

13. Disposal considerations

Waste from residues
 Observe local/national regulations regarding waste disposal

Incinerate in qualified installation with flue gas scrubbing

14. Transport information

UN number

ADR/RID:- IMDG:- IATA:-

Shipping Name

ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

Hazard Class

ADR/RID:- IMDG:- IATA:-

Packing Group

ADR/RID:- IMDG:- IATA:-

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

 Safety, health and environmental regulations/legislation specific for the substance or mixture no data available

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• Chemical Safety Assessment

no data available

16. Other information

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• Revision 9.0

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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.