

## Material Safety Data Sheet (MSDS)

### Ethyl Vanillin

Prepared by Tuoda Industry Limited

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**Section 1: Identification**

Product Name: Ethyl Vanillin

CAS Number: 121-32-4

EC Number: 204-464-7

Molecular Formula: C<sub>9</sub>H<sub>10</sub>O<sub>3</sub>

Recommended Use: Flavoring agent and fragrance intermediate

Manufacturer: Tuoda Industry Limited

**Section 2: Hazard Identification**

Classification (GHS): Not classified as hazardous under normal conditions

Signal Word: None

Hazard Statements: Not applicable

Precautionary Statements:

- P261: Avoid breathing dust
- P280: Wear protective gloves and eye protection

**Section 3: Composition/Information on Ingredients**

Substance Name: Ethyl Vanillin

CAS No.: 121-32-4

EC No.: 204-464-7

Content (%): >= 99.0%

**Section 4: First Aid Measures**

Inhalation: Remove from exposure. Get medical attention if symptoms develop.

Skin Contact: Wash with water and soap. Remove contaminated clothing.

Eye Contact: Rinse immediately with water. Seek medical advice if irritation occurs.

Ingestion: Rinse mouth. Seek medical attention if symptoms occur.

**Section 5: Firefighting Measures**

Suitable Extinguishing Media: Water spray, dry chemical, carbon dioxide, foam

Hazards: May emit toxic fumes under fire conditions

Protective Equipment: Use self-contained breathing apparatus

### **Section 6: Accidental Release Measures**

Personal Precautions: Wear appropriate protective equipment

Environmental Precautions: Avoid contamination of drains and waterways

Cleanup: Sweep up and collect in suitable container for proper disposal

### **Section 7: Handling and Storage**

Handling: Use appropriate PPE. Avoid contact and dust generation

Storage: Store in a tightly closed container in a dry, well-ventilated place

### **Section 8: Exposure Controls/Personal Protection**

Engineering Controls: Adequate ventilation required

Personal Protective Equipment:

- Eyes: Safety glasses
- Hands: Impervious gloves
- Respiratory: Use dust mask when appropriate

### **Section 9: Physical and Chemical Properties**

Appearance: White to pale yellow crystalline powder

Odor: Intense vanilla-like aroma

Melting Point: 76-78 °C

Boiling Point: >250 °C

Solubility: Slightly soluble in water; soluble in ethanol and ether

Flash Point: >150 °C

Bulk Density: approx. 0.5 g/cm<sup>3</sup>

### **Section 10: Stability and Reactivity**

Stability: Stable under normal conditions

Conditions to Avoid: Moisture, excessive heat

Incompatible Materials: Strong oxidizing agents

Decomposition Products: Carbon oxides

### Section 11: Toxicological Information

Acute Toxicity: Not classified

Skin/Eye Irritation: May cause slight irritation

Sensitization: No known sensitization

Mutagenicity/Carcinogenicity/Reproductive Toxicity: Not classified

### Section 12: Ecological Information

Ecotoxicity: Not expected to pose a hazard

Persistence: Readily biodegradable

Bioaccumulation: Low potential

### Section 13: Disposal Considerations

Dispose in accordance with local, national, and regional regulations

### Section 14: Transport Information

UN Number: Not regulated

Transport Hazard Class: Not classified

Packing Group: Not applicable

Environmental Hazards: No

### Section 15: Regulatory Information

Listed on TSCA, EINECS and compliant with major food safety regulations

### Section 16: Other Information

Information provided here is believed to be accurate. Tuoda Industry Limited assumes no liability for improper handling or use. Users must ensure compliance with applicable laws and regulations.