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**1. PRODUCT AND COMPANY IDENTIFICATION**

Product name	Vanillin
Product code	AI-VANIL
CAS #	121-33-5
Synonyms	4-Hydroxy-3-methoxybenzaldehyde
Product use	Domestic and Industrial
Supplier	WFMed
Address	8245 Backlick Rd Unit D, Lorton VA 22079 USA
Telephone number	888-WFMED-97 (888-936-3397)
Emergency phone number	888-WFMED-97 (888-936-3397)

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**2. HAZARD(S) IDENTIFICATION****GHS Hazard Classification**

Acute toxicity, oral - Category 5 - H303  
Serious eye damage/eye irritation - Category 2A - H319  
Hazardous to the aquatic environment, acute hazard - Category 3 - H402  
Combustible dust

**GHS Label Elements**

Pictogram  
Signal Word



Warning

**Hazard Statements**

H303  
H319  
H402  
(Not designated by OSHA)

May be harmful if swallowed.  
Causes serious eye irritation.  
Harmful to aquatic life.  
May form combustible dust concentrations in air.

**Precautionary Statements - Prevention**

P261  
P264

Avoid breathing dust/fumes/gas/mist/vapours/spray.  
Wash face, hands and any exposed skin thoroughly after handling.

P273  
P280

Avoid release to the environment.  
Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statements - Response**

P305+P351+P338

If in eyes: Rinse cautiously with water for several minutes.  
Remove contact lenses if present and easy to do – continue rinsing.

P312  
P314  
P337+P313

Call a POISON CENTER or doctor/physician if you feel unwell.  
Get medical advice/attention if you feel unwell.  
If eye irritation persists: Get medical advice/attention.

**Precautionary Statements - Storage**  
(Not designated by OSHA)

Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to friction of transfer and mixing operations.

**Precautionary Statements - Disposal**  
P501

Dispose of contents/container in accordance with local/regional/national/international regulation.

**Hazards Not Otherwise Classified (HNOC)**

100% of the mixture consists of ingredient(s) of unknown toxicity.

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Family  
Formula

Aromatic aldehyde  
C8H8O3

**Product Name**  
Vanillin

**CAS NO**  
121-33-5

**Concentration**  
100%

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### 4. FIRST-AID MEASURES

**Description of first aid measures**

**Eye Contact**

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Remove contact lenses, if present and easy to do. If eye irritation persists, consult a physician.

**Skin Contact**

Remove contaminated clothing. Wash with soap and plenty of water. Wash contaminated clothing before reuse. Consult physician if irritation occurs.

**Inhalation**

Remove from exposure and move to fresh air. If not breathing, give artificial respiration. Consult a physician if you feel unwell.

**Ingestion**

Do NOT induce vomiting. Clean mouth with water, or dilute with milk or water. Never give anything by mouth to an unconscious person. Consult a physician if you feel unwell.

**Most important symptoms and effects, both acute and delayed**

No information available.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

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### 5. FIRE-FIGHTING MEASURES

**Extinguishing media**

Foam, dry chemical or carbon dioxide.

**Specific hazards arising from the chemical**

Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source, is a potential dust explosion hazard. Avoid creating dust.

**Explosion data**

Sensitivity to Mechanical Impact  
Sensitivity to Static Discharge

Yes.

Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

**Special protective equipment and precautions for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Further information**

No data available.

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## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes, and inhalation of vapors. Remove all sources of ignition. Avoid creating dust.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

**Methods and materials for containment and cleaning up****Methods for containment**

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see Section 13).

**Methods for cleaning up**

Use personal protective equipment as required. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Avoid creating dust. Take up with inert, damp, non-combustible material using clean non-sparking tools and place into loosely covered plastic

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## 7. HANDLING AND STORAGE

**Precautions for safe handling**

Avoid generation of dust.

**Conditions for safe storage, including any incompatibilities****Storage conditions**

Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to friction of transfer and mixing operations. Keep containers tightly closed in a cool, well-ventilated place. Keep out of the reach of children. Protect from direct sunlight. Keep in a dry, cool and well-ventilated place.

**Incompatible materials**

None known based on information supplied.

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Control parameters

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### Exposure controls

#### Engineering controls

Showers. Eyewash stations. Ensure adequate ventilation, especially in confined areas.

#### Personal protective equipment

Eye/Face protection: Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

Skin/Body protection: Avoid contact with skin. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### General hygiene considerations

Handle in accordance with good industrial hygiene and safety practices. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes, or clothing. Regular cleaning of equipment, work area, and clothing is recommended. Avoid breathing (dust, vapor, mist, gas).

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state	Powder
Appearance	Crystalline, white to off-white
Odor	Characteristic odor
Melting point	81 °C
Flash point	160 °C (> 212 °F)
Molecular weight	152.15

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## 10 . STABILITY AND REACTIVITY

### Reactivity

No data available.

### Chemical stability

Stable under recommended storage conditions.

### Possible hazardous reactions

None under normal processing.

### Conditions to avoid

Dust formation. Extremes of temperature and direct sunlight. Heat, flames and sparks.

### Incompatible materials

None known based on information supplied.

**Hazardous decomposition**

None known based on information supplied.

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**11. TOXICOLOGICAL INFORMATION****Information on toxicological effects****Acute toxicity**

ATEmix Oral: 3500 mg/kg

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Sensitisation**

Not expected to cause skin sensitization.

**Germ cell mutagenicity**

None known.

**Carcinogenicity**

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Reproductive toxicity**

This product does not contain any known or suspected reproductive hazards above the threshold value.

**Aspiration hazard**

Not classified.

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**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Harmful to aquatic life.

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

**Persistence and degradability**

No data available.

**Bioaccumulative potential**

No data available.

**Mobility in soil**

No data available.

**Other adverse effects**

No data available.

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**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Product**

Dispose of product in accordance with local regulations.

**Contaminated packaging**

Do not reuse container.

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## 14. TRANSPORT INFORMATION

**US DOT (Land)**

Not regulated.

**IMDG/IMO (Sea)**

Not regulated.

**IATA/ICAO (Air )**

Not regulated.

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## 15. REGULATORY INFORMATION

**SARA 311/312**

Acute Health Hazard, Fire Hazard

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Right-to-Know Regulations**

This product does not contain any substances regulated by state right-to-know regulations.

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## 16. OTHER INFORMATION

Creation date: 1/28/2015

Revision date: 7/27/2018

**Disclaimer & Caution:**

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