

SAFETY DATA SHEET

Product: Vanillin Crystals (Natural) | CAS 121-33-5 | Undiluted solid

1. Identification

Product identifier: Vanillin Crystals (Natural), undiluted; CAS 121-33-5; 4-hydroxy-3-methoxybenzaldehyde. Intended use: perfumery raw material.

Veriscents, 30 N Gould Street, Sheridan, WY 82801. Regulatory Contact: 877.863.7700. Medical exposure (24 hours): Poison Control, 800.222.1222. Transportation incident contact: HazmatLine, +1 (813) 742-5152; support@hazmatline.com (coverage must be confirmed before use).

2. Hazard identification

Solid vanillin is not equivalent to the supplied 10% ethanol solution. H225 and the liquid flammability classification from that solution do not apply by default.

Product-specific OSHA HazCom classification and label elements for this undiluted grade require verification against a current solid-vanillin SDS. Until verified, avoid dust inhalation, skin/eye contact and ignition sources.

3. Composition / information on ingredients

Vanillin (CAS 121-33-5), nominally 100% (undiluted). Actual assay and impurities: verify against lot COA. No ethyl alcohol is intentionally included.

4. First-aid measures

Inhalation: Move to fresh air; obtain medical attention if symptoms persist. Skin: Wash with soap and water. Eyes: Rinse cautiously with water for several minutes; seek medical advice for persistent irritation. Ingestion: Rinse mouth; seek medical advice if unwell.

5. Firefighting measures

Suitable extinguishing media: Water spray, dry chemical, carbon dioxide or foam appropriate to surrounding fire. Heating/combustion may produce carbon oxides. Avoid generating airborne combustible dust; firefighters should use suitable protective equipment.

6. Accidental release measures

Avoid dust generation and unnecessary exposure. Collect mechanically into suitable labeled containers, using methods that minimize airborne dust. Prevent release to drains.

7. Handling and storage

Handle with appropriate ventilation and good industrial hygiene. Avoid dust formation and contact with eyes and skin. Store tightly closed, dry, and away from incompatible materials and excessive heat.

8. Exposure controls / personal protection

Use local exhaust where dust may form. Wear safety glasses and suitable protective gloves. If ventilation is inadequate, use appropriately selected respiratory protection based on exposure assessment. Specific occupational limits: not established in supplied documents for undiluted crystals.

9. Physical and chemical properties

Appearance: Crystalline solid. Odor: Characteristic vanilla-like. CAS: 121-33-5. Molecular formula: C₈H₈O₃. Molecular weight: 152.15 g/mol.

Melting point, flash point, bulk density, solubility, and other measured properties for this grade: not verified from supplied source documentation.

10. Stability and reactivity

Generally stable under recommended storage conditions. Avoid excessive heat, dust generation and strong oxidizing agents. Specific reactivity testing for this grade not supplied.

11. Toxicological information

Toxicological classification for undiluted vanillin has not been verified from a solid-vanillin source SDS. The ethanol-solution toxicity statements must not be transferred without assessment.

12. Ecological information

Product-specific aquatic toxicity, persistence, bioaccumulation and mobility data for undiluted vanillin were not supplied. Avoid uncontrolled environmental release.

13. Disposal considerations

Dispose of material and contaminated packaging according to applicable federal, state and local requirements. Do not discharge to drains.

14. Transport information

UN number, proper shipping name, hazard class and packing group for undiluted vanillin: require confirmation against current DOT, IATA and IMDG rules and product-specific classification.

The UN 1197 Class 3 classification in the supplied SDS applies to the 90% ethanol solution, not automatically to undiluted crystals.

15. Regulatory information

Current OSHA HazCom, TSCA and other applicable inventory/regulatory status must be confirmed for the actual supplied grade.

16. Other information

Prepared 31 October 2026.

The two supplied source documents concern a 10% vanillin solution in 90% ethyl alcohol and do not establish a complete SDS for undiluted crystals. Obtain a current solid-vanillin SDS and verify hazard, physical-property, and transport data before issuing this sheet.