



MSDS – Ethyl Vanilla Crystal

Issued April 2011

Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Ethyl Vanilla
Manufacturer/Supplier : A.M FOOD CHEMICAL CO., LIMITED
No. 12406, Jingshi Road, Jinan, China
Tel: 86-531-87100375 Fax: 86-531-87105371

Section 2. COMPOSITION, INFORMATION ON INGREDIENTS

CAS No. 121-32-4
Chemical Name: 3-Ethoxy-4-Hydroxybenzaldehyde
EINECS No. 204-464-7
Hazard Symbols: XN
Risk Phrases: 22

Section 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance: white to slightly yellow crystal or crystal powder.

Caution! May cause digestive tract irritation. Light sensitive.

Moisture sensitive. May be harmful

if swallowed. May cause eye and skin irritation.

Target Organs: None.

Potential Health Effects

Eye: Dust may cause mechanical irritation. Low hazard for normal industrial handling.

Skin: Dust may cause mechanical irritation. May cause skin sensitization, an allergic reaction,

which becomes evident upon re-exposure to this material. Low hazard for usual industrial handling.

Ingestion: May cause irritation of the digestive tract.

Inhalation: No hazard expected in normal industrial use. Dust is irritating to the respiratory tract.

Chronic: Not available.

Prolonged or repeated contact may result in "vanillism", an allergic dermatitis.

Section 4. FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid if irritation develops or persists. Wash clothing before reuse. Flush skin



with plenty of soap and water.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Treat symptomatically and supportively. Get medical aid if irritation or symptoms occur.

Inhalation: Remove from exposure to fresh air immediately.

If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Get medical aid if cough or other symptoms appear.

Notes to Physician: Treat symptomatically.

Section 5. FIRE FIGHTING MEASURES

General Information: As in any fire, wear a self-contained breathing apparatus in pressuredemand,

MSHA/NIOSH (approved or equivalent) and full protective gear.

Extinguishing Media: In case of fire, use water, dry chemical, chemical foam, or alcoholresistant

foam. Use agent most appropriate to extinguish fire.

Autoignition Temperature: Not available.

Flash Point: 147 Deg. C (296.60 Deg. F)

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Section 6. ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment

section. Sweep up, and then place into a suitable container for disposal. Provide ventilation.

Section 7. HANDLING AND STORAGE

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before

reuse. Use with adequate ventilation. Store protected from light.

Storage: Store in a cool, dry place. Store protected from moisture. Store protected from light.

Section 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Chemical Name: Ethyl Vanillin

ACGIH: None listed



NIOSH: None listed

OSHA - Final PELs: None listed

OSHA Vacated PELs:

Ethyl Vanilla:

No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear safety glasses and chemical goggles if splashing is possible.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR: 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace

conditions warrant a respirator's use.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid

Appearance: White to slightly yellow crystal or powder.

Odor: Vanilla-like

pH: Not available.

Vapor Pressure: 1 mm Hg @ 107 deg C

Vapor Density: Not available.

Evaporation Rate: Not applicable.

Viscosity: Not applicable.

Boiling Point: 285 deg C

Freezing/Melting Point: 76-79 deg C

Decomposition Temperature: Not applicable.

Solubility in water: Slightly soluble in water.

Specific Gravity/Density: 1.05

Molecular Formula: C₉H₁₀O₃

Molecular Weight: 166.1739

Section 10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, light, and moisture.

Incompatibilities with Other Materials: Strong oxidizing agents, strong bases, light, air, Strong reducing agents, moisture, bromine, perchloric acid, potassium t-butoxide, t-chlorobenzene and sodium hydroxide, formic acid and thallium nitrate.

Hazardous Decomposition Products: Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.



Hazardous Polymerization: Will not occur.

Section 11. TOXICOLOGICAL INFORMATION

RTECS No.

CAS No. 121-32-4: YW5775000

LD50/LC50:

CAS No. 121-32-4: Oral, mouse: LD50 = 3925 mg/kg; Oral, rat: LD50 = 1580 mg/kg;

Skin, rabbit: LD50 = >5010 mg/kg.

Carcinogenicity: Vanillin - Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology: No data available.

Teratogenicity: No data available.

Reproductive Effects: No data available.

Neurotoxicity: No data available.

Mutagenicity: Experimental mutagen in human lymphocyte cells.

Other Studies: No data available.

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

Section 13. DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with related regulations.

RCRA D-Series Maximum Concentration of Contaminants: None listed.

RCRA D-Series Chronic Toxicity Reference Levels: None listed.

RCRA F-Series: None listed.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

Section 14. TRANSPORT INFORMATION

US DOT

No information available

IMO

Not regulated as a hazardous material.

IATA

Not regulated as a hazardous material.

RID/ADR

Not regulated as a hazardous material.

Canadian TDG

No information available.

Section 15. REGULATORY INFORMATION



US STATES

TSCA

CAS No. 121-32-4 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

SARA

Section 302 (RQ)

None of the chemicals in this material have an RQ.

Section 302 (TPQ)

None of the chemicals in this product have a TPQ.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depletors.

This material does not contain any Class 2 Ozone depletors.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

Vanillin is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases: R 22 Harmful if swallowed.

Safety Phrases: S 24/25 Avoid contact with skin and eyes.

Canada

CAS No. 121-32-4 is listed on Canada's DSL List.

CAS# 121-32-4 is not listed on Canada's Ingredient Disclosure List.



Exposure Limits

Section 16. ADDITIONAL INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use.

Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.

Ethyl Vanilla powder not only for food additive, but also to be used in brightening agents, improvers of the electroplating industry.

Prepared by: A.M FOOD CHEMICAL CO., LIMITED

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