

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 879.70

Revision Date: November 17, 2010

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Vanillin

Flinn Scientific, Inc. P.O. Box 219 Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

SECTION 2 — COMPOSITION, INFORMATION ON INGREDIENTS

Vanillin

Synonyms: 4-Hydroxy-3-methoxybenzaldehyde

CAS#: 121-33-5

SECTION 3 — HAZARDS IDENTIFICATION

Light yellow to white solid. Vanilla odor.

Irritating to eyes, respiratory system, and skin.

May be harmful if inhaled, ingested, or absorbed through the skin.

FLINN AT-A-GLANCE

Health-1

Flammability-0

Reactivity-0

Exposure-1

Storage-0

0 is low hazard, 3 is high hazard

SECTION 4 — FIRST AID MEASURES

Call a physician, seek medical attention for further treatment, observation and support after first aid.

Inhalation: Remove to fresh air at once. If breathing has stopped give artificial respiration immediately.

Eye: Immediately flush with fresh water for 15 minutes.

External: Wash continuously with mild soap and fresh water for at least 15 minutes.

Internal: Rinse mouth with water and give large quantities of water. Never give anything by mouth to an unconscious person. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable solid.

NFPA CODE

None

Fire Fighting Instructions: Use triclass, dry chemical fire extinguisher. Firefighters should wear PPE and SCBA with full facepiece operated in positive pressure mode.

established

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from area. Remove all ignition sources and ventilate area. Contain spill with sand or other inert absorbent material; deposit in sealed bag or container. See Sections 8 and 13 for further information.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic Miscellaneous. Store together with the Organic Smell Identification Kit.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes, skin, & clothing. Wear chemical splash goggles, chemical-resistant gloves, & chemical-resistant apron. Use ventilation to keep airborne concentrations below exposure limits. Always wear a NIOSH-approved respirator with proper cartridges or a positive pressure, air-supplied respirator when handling this material in emergency situations (spill or fire).

Exposure guidelines: None established.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Light yellow to white solid.
Solubility: Insoluble in water.
Formula: $C_8H_8O_3$
Formula Weight: 152.15

Density: 1.056
Boiling Point: 285 °C @ 760 mmHg
Melting Point: 81.5 °C
Vapor Density: 5.3 (Air=1)
Vapor Pressure: 0.01 mmHg @ 25 °C

SECTION 10 — STABILITY AND REACTIVITY

Incompatible with strong oxidizing agents.
Hazardous decomposition products (by fire): Carbon dioxide, carbon monoxide.
Shelf Life: Excellent, if stored safely.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Irritation to eyes, skin, and respiratory system.
Chronic effects: N.A.
Target organs: N.A.

ORL-RAT LD₅₀: 1580 mg/kg
IHL-RAT LC₅₀: N.A.
SKN-RBT LD₅₀: >5010 mg/kg

N.A. = Not available, not all health aspects of this substance have been fully investigated.

SECTION 12 — ECOLOGICAL INFORMATION

May be toxic to aquatic life.

SECTION 13 — DISPOSAL CONSIDERATIONS

Please consult with state and local regulations.
Flinn Suggested Disposal Method #18a is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping Name: N/A
Hazard Class: N/A
UN Number: N/A
N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

TSCA listed.

SECTION 16 — OTHER INFORMATION

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**Consult your copy of the *Flinn Science Catalog/Reference Manual*
for additional information about laboratory chemicals.**
