

# FLINN SCIENTIFIC, INC.

## Material Safety Data Sheet (MSDS)

MSDS #: 879.15

Revision Date: November 17, 2010

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Anethole

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

Anethole  
Synonyms: 4-propenylanisole; trans-1-Methoxy-4-(1-propenyl)benzene  
CAS#: 4180-23-8

### SECTION 3 — HAZARDS IDENTIFICATION

White colorless crystals. Licorice odor.  
Irritating to eyes and skin.  
May be harmful if inhaled, ingested, or absorbed through the skin.  
Class IIIA combustible liquid.

#### FLINN AT-A-GLANCE

Health-1  
Flammability-1  
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

Class IIIA combustible solid.  
Flash point: 91 °C (Closed cup).  
When heated to decomposition, emits toxic fumes of carbon monoxide and carbon dioxide.  
**Fire Fighting Instructions:** Use triclass, dry chemical fire extinguisher. Firefighters should wear PPE and SCBA with full facepiece operated in positive pressure mode.

**NFPA CODE**  
None  
established

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from area. Wipe up with moist towels, place in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. 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, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and 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.

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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White to colorless crystals.  
Solubility: Slightly soluble in water. Soluble in ethyl alcohol.  
Formula: C<sub>10</sub>H<sub>12</sub>O  
Formula Weight: 148.2

Density: 0.988 @ 25 °C  
Boiling Point: 234 °C @ 760 mmHg  
Melting Point: 21 °C @ 760 mmHg  
Specific Gravity: 0.99 @ 25 °C

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**SECTION 10 — STABILITY AND REACTIVITY**

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Keep away from heat, light, and open flame. Incompatible with strong oxidizing agents.  
Hazardous decomposition products (by fire): Carbon dioxide, carbon monoxide  
Shelf Life: Excellent, if stored safely.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: May cause allergic skin reaction, skin, eye, and respiratory tract irritation.  
Chronic effects: Possible allergen.  
Target organs: Skin, eyes, respiratory tract.

ORL-RAT LD<sub>50</sub>: 2090 mg/kg  
IHL-RAT LC<sub>50</sub>: N.A.  
SKN-RBT LD<sub>50</sub>: >5000 mg/kg

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

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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

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**SECTION 14 — TRANSPORT INFORMATION**

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

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**SECTION 15 — REGULATORY INFORMATION**

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TSCA listed.

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**SECTION 16 — OTHER INFORMATION**

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