

Material Safety Data Sheet

METHYL FUROATE

Quick Identifier

QO®METHYL 2-FUROATE

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910.1200. Standard must be consulted for specific requirements.

Common Name (used on label and list)

Section I

Manufacturer's Name and Address

Penn Specialty Chemicals, Inc.
3324 Chelsea Avenue
Memphis, TN 38108

Emergency Telephone Number

901-320-4092

HAZARD INFORMATION SERVICES:800-228-5635

(For Emergency Medical Information)

For Product Information and Other Calls:

Penn Specialty Chemicals, Inc.:877-895-

7366

Effective: July 15, 2003

Supersedes: November 28, 2000

Section II-Hazardous Ingredients/ Identity Information

Hazardous Component(s) Chemical & Common Names(s)	OSHA PEL	ACGIH TLV	CAS NO.
Methyl 2-furoate	Not established	Not established	611-13-2

Section III-Physical/Chemical Characteristics

Boiling Point	Vapor Density(Air=1)	Specific Gravity (H ₂ O = 1)	Vapor Pressure (mm Hg)
358°F, 181°C	4.3	1.174	Not available

Solubility in Water
 Insoluble

Reactivity in Water
 None

Appearance and Color
 Clear, colorless to yellow, mobile liquid.
 Pleasant odor.

Melting Point/Freezing Point
 Not available

Section IV-Fire and Explosion Hazard Data

Flash Point	Method Used	Flammable Limits in Air, % Volume	LEL Lower	UEL Upper
164°F, 73°C	Setaflash		Not available	Not available

Auto-Ignition temperature
 Not available

Extinguisher Media
 Water spray, dry chemical, carbon dioxide, foam.

Special Fire Fighting Procedures

Firefighters should have eye protection and wear self-contained breathing apparatus.
 Use water spray to cool containers exposed to fire.

Unusual Fire and Explosion Hazards

See Section V below.

Section V-Physical Hazards/Reactivity Data

Stability	Unstable	Conditions to Avoid
	Stable X	Normally stable.

Incompatibility (Materials to Avoid)

Acids. Bases. Oxidizers. Reducing agents.

Hazardous Decomposition Products

Combustion produces carbon dioxide and carbon monoxide.

Hazardous Polymerization May Occur
 Will Not Occur X

Conditions to Avoid

Section VI - Health Hazards

Chemical Listed as Carcinogen or Potential Carcinogen	National Toxicology Yes No X	IARC Monographs Yes No X	OSHA Regulated Yes No X
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Signs and Symptoms

Exposure

Detectable odor

Acute Overexposure

Irritation of skin, eyes and respiratory tract.

Chronic Overexposure

No data available.

Special Concern

LD₅₀ (Oral, Rats) = 300 mg/kg. (Toxic by ANSI 2129.1)

Emergency and First Aid Procedures for Overexposure - Obtain prompt medical attention.

Inhalation

Move to fresh air. If necessary, restore and support breathing.

Eyes

**Immediately flush with water for 15 minutes while lifting eyelids and rolling eyes.
Get immediate medical attention.**

Skin

Wash promptly with soap and water.

Ingestion

Get medical help. If conscious and medical help not readily available, give water.

Section VII - Special Precautions and Spill/Leak Procedures

Precautions to be taken in Handling and Storage

Store in a cool, dry, well ventilated location. Outside or detached storage is preferred. Separate from oxidizers and acids, bases, and reducing agents.

Other Precautions

Keep containers tightly closed. No smoking or eating in handling area.

Steps to be taken in case Material is Released or Spilled

**Shut off sources of ignition. Pick up spill on sand, earth or other non-combustible, absorbent material.
Place in covered container for disposal. Flush with water to remove last traces.**

Waste Disposal Methods (Consult Federal, State, and Local Regulations)

Dispose of in accord with regulations.

Section VIII - Special Protection and Control Measures

Respiratory Protection (Specify Type)

**NIOSH approved organic vapor air purifying respirator.
Ventilation and local exhaust required.**

Eye Protection

Chemical goggles and face shield

Protective Gloves

Impervious chemical gloves.

Other Protective Clothing or Equipment

Eye fountain and safety shower

Work Hygienic Practices

Avoid direct contact with Methyl 2-furoate.

Transport Information:

DOT: Toxic, liquid, organic, n.o.s. (Methyl Furoate), 6.1 UN2810, PG III.

Label: Domestic: Keep away from foods. International: Toxic.