



Woeber **MUSTARD** Manufacturing Company

P.O. Box 388 • 1966 Commerce Circle • Springfield, Ohio 45501
Phone 937/323-6281 • 1-800/548-2929 • FAX 937/323-1679

Section 1: Identification

Product Identifier: Vinegar
Chemical Name: Acetic Acid (CH₃COOH) - Diluted
CAS #: 64-19-7

Manufacturer: Woeber Mustard Mfg. Company
1966 Commerce Circle
Springfield, OH 45501
1-800-548-2929

Section 2: Hazard(s) Identification

Caution! For concentrated vinegars > 5%

Vapors irritating to eyes and respiratory tract, avoid inhalation. Causes skin irritation.
Do not ingest.

Section 3: Composition/Information on Ingredients

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
Acetic Acid	5%	64-19-7
Water	95%	7732-18-5

Section 4: First Aid Measures

Inhalation: If exposed to excessive levels of fumes, remove to fresh air.

Eye Contact: Immediately flush eyes with water.

Skin Contact: (>5% concentrations) Immediately flush skin with water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse.

Ingestion: (>5% concentrations) If swallowed, water should be consumed to dilute your stomach. Do not induce vomiting. Contact a physician.

Section 5: Fire Fighting Measures

Flash Point:	40° C (104° F) closed cup (Acetic Acid)
Auto Ignition Temp.:	427° C (800° F) (Acetic Acid)
Flammable Limits in Air:	4.0% - 16% (Acetic Acid)
Extinguishing Media:	Water spray, foam CO2 or dry chemical. Water may be used to dilute spills and reduce flammability.
Hazards from Fire:	Toxic gasses and vapors may be released in a fire involving concentrated vinegars.

Section 6: Accidental Release Measures

Small Spill Procedure:	Treat or dispose of waste material as a weak acid in accordance with all local, state/provincial, and national requirements. Water may be used to dilute.
Large Spill Procedure:	Contain spilled material. Large spills may be neutralized with dilute alkaline solutions of soda ash, or lime. Avoid runoff into storm sewers and ditches that lead to waterways. Treat or dispose of waste material as a weak acid in accordance with all local, state/provincial, and national requirements.
Protection:	Protect skin and eyes from exposure. Avoid breathing vapor.

Section 7: Handling and Storage

Handling:	Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Wash contaminated clothing before reusing (>5% concentrations).
Storage:	Store in a cool, well ventilated place.

Section 8: Exposure Controls/Personal Protection

Permissible Exposure Limit (PEL):	10 ppm acetic acid
Threshold Limit Value (TLV):	10 ppm acetic acid
Short Term Exposure Limit (STEL):	15 ppm acetic acid
Recommended Exposure Limit (REL):	10 ppm acetic acid

Engineering Controls:

Local exhaust ventilation may be necessary to control any air contaminants to within their TLV during the use of the product. Emergency shower and eye wash stations should be readily available.

Eye Protection;

Wear safety glasses and/or face shield.

Skin Protection: (>5% concentrations)

Rubber/neoprene gloves recommended. Rubber apron or other protective equipment as needed to reduce direct contact.

Respiratory Protection:

As required to prevent exposure to concentrations which exceed the PEL.

Section 9: Physical and Chemical Properties

Physical State and Appearance:	Liquid
Odor:	Pungent, Vinegar-like
Color:	Colorless, Clear
Boiling Point:	118.1°C (244.6°F)
Freezing Point:	-2.2°C (28.0°F)
pH:	2.4 – 2.6
Specific Gravity:	1.049 (Water = 1)
Vapor Pressure:	1.5 kPa @ 20°C
Solubility in Water:	Complete

Section 10: Stability and Reactivity

Stability:	Stable
Incompatibilities:	Avoid strong oxidizing agents / bases
Polymerization:	Will not occur

Section 11: Toxicological Information

Other than contact site irritation/damage, no other toxic effects are likely

Section 12: Ecological Information

Will biodegrade readily under aerobic and anaerobic conditions.

Section 13: Disposal Considerations

Treat or dispose of waste material as a weak acid in accordance with all local, state/provincial, and national requirements.

Section 14: Transportation Information

Product Label:	Vinegar. Diluted
DOT Shipping Name:	Not applicable
Technical Shipping Name:	Not applicable
DOT Hazard Class:	Not applicable
UN Number:	Not applicable for vinegar containing less than 25% acetic acid, provided packaging complies with ADR Special Provision 647; UN2790 for vinegar containing more than 25% acetic acid
Product RQ (lbs):	Quantity containing the equivalent of 5000 lb of 100% acetic acid, (16,667 lb of vinegar containing 30% acetic acid)
DOT Label:	Not applicable

Section 15: Regulatory Information

Canadian Disclosure List:
Acetic Acid (64-19-7)

Comprehensive Environmental Response, Compensation, & Liability Act (CERCLA):
Acetic Acid (64-19-7)

Food & Drug Administration (FDA)
Product is a GRAS (Generally Recognized as Safe) food ingredient.

Section 16: Other Information

Not Available

Woeber Mustard Co.	Revision Date 10/22/13	Revision Number – 5
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