

**SECTION 1. PRODUCT AND COMPANY**

Product identifier/Name: White Distilled Vinegar 40%  
 Synonyms: Vinegar  
 Product Use: Food  
 Manufactured by: Fleischmann's Vinegar Company, Inc.  
 12604 Hiddencreek Way, Suite A  
 Cerritos, CA 90703 USA  
 Telephone: (562) 483-4600  
 Emergency Number: CHEMTREC: 1-(800) 424-9300 or 011-(703)527-3887

**SECTION 2. HAZARDS IDENTIFICATION**

GHS Classification: Skin Corrosive 1C, Eye Damage 1, Hazardous to aquatic environment

**DANGER**



Hazard Statements: H314: Causes severe skin damage and serious eye damage  
 H318: Causes serious eye damage  
 H332: Harmful if inhaled  
 H402: Harmful to aquatic life

Precautionary Statements: P260 - Do not breathe mist, vapors, spray  
 P264: Wash exposed skin thoroughly after handling  
 P273: Avoid release into the environment  
 P280 - Wear protective clothing, protective gloves, eye protection, face protection  
 P301+P330+P331: IF SWALLOWED: Rinse mouth. Do not induce vomiting.  
 P303+P361+P353 - IF ON SKIN (or hair): Remove all contaminated clothing. Rinse skin with water/shower  
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310: Immediately call a poison center or doctor/physician  
 P501: Dispose of contents/container to comply with local, state and federal regulations.  
 If inhaled: Remove person to fresh air and keep comfortable for breathing.

**SECTION 3. COMPOSITION /INFORMATION ON INGREDIENTS**

Chemical name	Concentration	CAS
Acetic acid	40%	64-19-7
Water	60%	7732-18-5

**SECTION 4. FIRST-AID MEASURES**

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Skin contact: If on skin; wash with plenty of soap and water. If skin irritation occurs, seek medical advice/attention. If on clothes; remove/take off all contaminated clothing. Rinse skin with soap and water.

Inhalation: Remove to fresh air and keep in position comfortable for breathing.

Ingestion: Intended for ingestion, however if swallowed in large quantities, water may be consumed to dilute. Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

**SECTION 5. FIREFIGHTING MEASURES**

Extinguishing media: N/A, product will not burn

Specific Hazards: N/A

Special Fire Fighting Methods: N/A

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures: Protect skin and eyes from exposure. Avoid breathing vapor.

LARGE SPILLS 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.

SMALL SPILLS PROCEDURE: Water may be used to dilute. Treat or dispose of waste material as a weak acid in accordance with all local, state/provincial and national requirements.

Environmental Precautions: Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

**SECTION 7. HANDLING AND STORAGE**

Precautions for safe handling: Provide good ventilation to prevent formation of vapor. Avoid breathing vapors, contact with eyes, skin and clothing.

Conditions for safe storage, including any incompatibilities: Keep container closed when not in use

Incompatible products: Strong oxidizers, metals, strong bases

**SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION**

Chemical Name	ACGIH		OSHA PEL		IDLH
	TWA	STEL	TWA	STEL	
Acetic Acid	10ppm	15ppm	10ppm; 25mg/m3	N/A	50ppm 125mg/m3

Appropriate engineering controls: Emergency eye wash stations should be available in the immediate vicinity. General room ventilation should be maintained for operator comfort.

Hand protection: Rubber gloves should be worn to avoid exposure

Eye protection: Chemical goggles or face shield

Skin and body protection: General clothing is adequate

Respiratory protection: Wear NIOSH/MSHA approved respiratory protection in enclosed areas

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid

Odor: Strong Vinegar

Odor threshold: No data available

pH: 1.8 to 2.2

Melting point: Vinegar @ 5°F

Boiling point: No data available

Flash point: Does not flash

Evaporation rate: No data available

Flammability (solid, gas): N/A

Upper/Lower Explosive Limit: N/A

Vapor pressure: 2.15 mm Hg @ 70°F at 40% acetic acid

Relative vapor density at 20 C: 2.1 (Air = 1)

Relative density: 1.04 to 1.05 (water = 1)

Density: 1.04 to 1.05 kg/l

Solubility: Complete

Partition coefficient: No data available

Auto-ignition Temperature: No data available

Decomposition Temperature: No data available

Viscosity: No data available

## SECTION 10. STABILITY AND REACTIVITY

Reactivity: No data available

Chemical stability: Stable under normal conditions

Possibility of hazardous reactions: Contact with strong oxidizing agents or strong bases may result in the release of heat

Conditions to avoid: Avoid contact with strong oxidizing agents and strong bases

Incompatible materials: Water reactive materials, acetic anhydride, caustics, oxidizing materials, carbonates

Hazardous decomposition products: Carbon dioxide, thermal decomposition may generate corrosive vapors

## SECTION 11. TOXICOLOGICAL INFORMATION

Routes of entry: Inhalation, ingestion and skin contact

Symptoms (acute): Respiratory irritation

Delayed effects: No data available

### Acute Toxicity:

Chemical name	CAS	Oral LD50	Dermal LD50	Inhalation LC50
Water	7732-18-5	Rat 90000mg/kg		
Acetic Acid	64-19-7			Mouse 5620ppm

Carcinogenicity: No evidence of a carcinogenic effect  
 Mutagenicity: No evidence of a mutagenicity effect  
 Teratogenicity: No evidence of a teratogenicity effect  
 Sensitization: No evidence of a sensitization effect  
 Reproductive: No evidence of a Reproductive effect

**SECTION 12. ECOLOGICAL INFORMATION**

Overview: This material is not expected to be harmful to the environment.

<b>Chemical name</b>	<b>CAS</b>	<b>Ecotoxicity</b>
Water	7732-18-5	No data available
Acetic Acid	64-19-7	Aquatic LC50 (96h) Fathead Minnow 79mg/l Aquatic EC50 (24h) Daphnia 47mg/l
Persistence and degradability:	Biodegradation	
Bioaccumulation potential:	No data	
Mobility in soil:	No data	
Other adverse effects:	No data	

**SECTION 13. DISPOSAL CONSIDERATIONS**

Waste disposal recommendations: Dispose in accordance with local, state/provincial , and national requirements

**SECTION 14. TRANSPORTATION INFORMATION**

Proper Shipping Name (DOT): Acetic acid solution, *with more than 10 percent and less than 50 percent acid by mass*  
 UN Number (DOT): UN2790  
 Hazard Class (DOT): 8 - Class 8 - Corrosive material  
 Packaging Group (DOT): III - Minor Danger

**SECTION 15. REGULATORY INFORMATION**

<b>Chemical name</b>	<b>CAS</b>	<b>Section 313</b>	<b>Section 304 RQ</b>	<b>CERCLA RQ</b>	<b>Section 302 TPQ</b>	<b>CAA 112 (2)</b>
Acetic Acid	64-19-7	no	5000lb	5000lb	no	no

**SECTION 16. OTHER INFORMATION**

Issue Date: 8/12/2015 Rev. Date: 5/22/2018  
 Prepared by: Fleischmann's Vinegar Company  
 Supersedes Date: 3/24/2016