

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

