



Safety Data Sheet

SECTION 1. PRODUCT AND COMPANY

Product Identifier/Name:	Vinegar
Synonyms	Chardonnay Wine Vinegar (40 to 100 Grain or 4% to 10%), Cabernet Sauvignon Wine Vinegar(40 to 100 Grain or 4% to 10%), Pinot Noir Wine Vinegar (40 to 100 Grain or 4% to 10%), Red Wine Vinegar (40 to 100 Grain or 4% to 10%), Kosher White Distilled Vinegar(40 to 100 Grain or 4% to 10%), Champagne Vinegar (40 to 100 Grain or 4% to 10%), Raw Apple Cider Vinegar (40 to 100 Grain or 4% to 10%), Rice Vinegar (40 to 100 Grain or 4% to 10%), White Wine Vinegar (40 to 100 Grain or 4% to 10%), Maple Syrup Vinegar (40 to 100 Grain or 4% to 10%), Fig Balsamic Vinegar (40 to 100 Grain or 4% to 10%), Apple Cider Vinegar With Tarragon Flavor (40 to 100 Grain or 4% to 10%), Kosher Red Wine Vinegar (40 to 100 Grain or 4% to 10%), White Balsamic Vinegar(40 to 100 Grain or 4% to 10%), Corn Sugar Vinegar (40 to 100 Grain or 4% to 10%), Malt Vinegar (40 to 100 Grain or 4% to 10%), Apple Cider White Distilled Vinegar (40 to 100 Grain or 4% to 10%), Sherry Wine Vinegar (40 to 100 Grain or 4% to 10%), Filtered and Pasteurized - Organic Apple Cider Vinegar (40 to 100 Grain or 4% to 10%), Corn Sugar Apple Cider Vinegar(40 to 100 Grain or 4% to 10%), Organic Apple Cider Vinegar (40 to 100 Grain or 4% to 10%), Organic Tea Vinegar(40 to 100 Grain or 4% to 10%), Honey Balsamic Vinegar (40 to 100 Grain or 4% to 10%), Balsamic Vinegar (40 to 100 Grain or 4% to 10%), Organic Red Wine Vinegar (40 to 100 Grain or 4% to 10%), Kosher Balsamic Vinegar (40 to 100 Grain or 4% to 10%), Premium Red Wine Vinegar (40 to 100 Grain or 4% to 10%)
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	Causes eye irritation 2B
	WARNING
Hazard Statements	H320: Causes eye irritation

SECTION 2. HAZARDS IDENTIFICATION

Precautionary Statements P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P261: Avoid prolonged breathing of fumes/mist/vapors/spray

SECTION 3. COMPOSITION /INFORMATION ON INGREDIENTS

Chemical name	Concentration	CAS
Acetic acid	4%-10%	64-19-7
Water	90% - 96%	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.

Skin contact N/A

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

Ingestion Intended for ingestion, however if consumed in large amounts, water should be consumed to dilute. Do not induce vomiting. Do not give emetics or baking soda.

SECTION 5. FIREFIGHTING MEASURES

Extinguishing media N/A

Specific Hazards N/A

Special Fire Fighting Methods N/A

SECTION 6. ACCIDENTAL RELEASE MEASURES

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

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.

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/m ³	N/A	50ppm 125mg/m ³

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 prolonged 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: 2.3
Melting point: Vinegar @ 30F (Acetic Acid @ 62F)
Boiling point: 214F @ 760 mm Hg and 10% acetic acid
Flash point: N/A
Evaporation rate: No data available
Flammability (solid, gas): N/A
Upper/Lower Explosive Limit N/A
Vapor pressure: 16.9 mm Hg @ 68 F at 10% acetic acid

Relative vapor density at 20 C: 2.1 (Air = 1)
Relative density: No data available
Density: 1.01 to 1.04 (water = 1)
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 Strong oxidizing agents, Carbonates

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.

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

Persistence Biodegradation

Bioaccumulation No data

Mobility in soil No data

Other adverse effects No data

Chemical name	CAS	Ecotoxicity
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

Section 13. DISPOSAL CONSIDERATIONS

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

SECTION 14. TRANSPORT INFORMATION

Non Regulated; All solutions covered by this SDS contain less than 10% Acetic Acid by weight.

SECTION 15. REGULATORY INFORMATION

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

SECTION 16. OTHER INFORMATION

Issue Date: 7/31/2015
Prepared by: Fleischmann's Vinegar Company