

Section 1. Product and Company Identification

**Product Name** Vinegar  
**CAS Number** Mixture

**Parchem - fine & specialty chemicals**  
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**New Rochelle, NY 10801**  
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EMERGENCY RESPONSE NUMBER  
CHEMTEL  
Toll Free US & Canada: 1 (800) 255-3924  
All other Origins: 1 (813) 248-0585  
Collect Calls Accepted

Section 2. Hazards Identification

**Classification of the substance or mixture**

**GHS Classification:** Causes eye irritation 2A

**GHS Label Elements**

**Pictograms:**



**Signal word:** WARNING

**Hazard and precautionary statements**

**Hazard Statements**

H319: Causes serious eye irritation

**Precautionary Statements**

**Prevention**

P264: Wash exposed skin thoroughly after handling.

P280: Wear eye and face protection.

**Response**

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

P337+P313: If eye irritation persists: Get medical advice/attention.

**Storage**

None

**Disposal**

None



Hazards not otherwise classified: Prolonged or excessive inhalation may cause respiratory tract irritation.

### Section 3. Composition / Information on Ingredients

**Common Name** Vinegar  
**CAS Number** Mixture

COMPONENT	CAS NUMBER	CONCENTRATION
Acetic Acid	64-19-7	4 – 10%
Water	7732-18-5	90 – 96%

### Section 4. First Aid Measures

**Eye contact:** Immediately flush eyes with plenty of water. May be Irritating to the eyes.

**Skin contact:** Contact may cause slight skin irritation. If skin irritation occurs, flush skin with plenty of water.

**Inhalation:** If odor causes irritation, remove to fresh air. Prolonged or excessive inhalation may cause respiratory tract irritation.

**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.

**Initial Containment:** 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.

**Large 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.

**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:** Avoid breathing vapor. Avoid contact with eyes.

**Conditions for safe storage, including any incompatibilities:** Keep container closed when not in use. Store in a well ventilated place.

**Incompatible products:** Strong oxidizers, metals, strong bases.

#### Section 8. Exposure Controls / Personal Protection

**Control Parameters:** Operations with potential for generating high concentrations of fumes should be evaluated and controlled as necessary.

**Exposure Limits:** No permissible exposure limits (PEL) or threshold limit values (TLV) exist for vinegar. See table below for component materials.

Components	OSHA PEL	NIOSH REL/IDLH	ACGIH TLV/STEL	Quebec	Ontario TWA	EU OELs
Acetic Acid	25 mg/m <sup>3</sup>	25/125 mg/m <sup>3</sup>	25/37 mg/m <sup>3</sup>	25 mg/m <sup>3</sup>	25 mg/m <sup>3</sup>	25 mg/m <sup>3</sup>

**Appropriate engineering controls:** Emergency eye wash stations should be available in the immediate vicinity. Good general ventilation should be sufficient to control airborne levels.

**Hand protection:** Wear protective gloves as needed for handling.

**Eye protection:** Wear eye protection as needed for handling. Use goggles or face shield when splashing is likely.

**Skin and body protection:** General clothing is adequate

**Respiratory protection:** Under normal use conditions, with adequate ventilation no special handling equipment is required.

#### Section 9. Physical and Chemical Properties

**Physical state:** Liquid

**Odor:** Strong Vinegar

**Odor threshold:** No data available

**pH:** 2.3

**Melting point:** Vinegar @ 30°F (Acetic Acid @ 62°F)

**Boiling point:** 214°F @ 760 mmHg and 10% acetic acid

**Flash point:** Does not flash

**Evaporation rate:** No data available

**Flammability (solid, gas):** N/A

**Upper/Lower Explosive Limit:** N/A

**Vapor pressure:** 0.42 mmHg @ 70 F at 10% acetic acid

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

**Relative density:** No data available

**Density:** 1.01 (Water = 1)



**Solubility:** Complete  
**Partition coefficient:** No data available  
**Auto-ignition Temperature:** No data available  
**Decomposition Temperature:** No data available  
**Viscosity:** 0.894

#### Section 10. Stability and Reactivity

**Reactivity:** No data available  
**Chemical stability:** Stable under normal conditions  
**Hazardous Reactions:** Contact with strong oxidizing agents or strong bases may result in the release of heat or gas.  
**Incompatible materials:** Water reactive materials, acetic anhydride, caustics, oxidizing materials, carbonates, strong bases  
**Hazardous decomposition products:** Decomposition will not occur if handled and stored properly.

#### Section 11. Toxicological Information

**Routes of entry:** Inhalation, ingestion and skin contact  
**Symptoms (acute):** Respiratory irritation  
**Delayed effects:** No data available  
**Acute Toxicity:** No toxic effects are likely (other than eye irritation from direct contact, or respiratory irritation from excessive exposure to vapor).  
**Skin corrosion/irritation:** Solutions of 3.3% and 10% acetic acid produced primary dermal irritation index (PDII) scores of 0.5 and 1.1, respectively, when tested with rabbits  
**Serious eye damage/irritation:** Prolonged or excessive inhalation may cause eye irritation.  
**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 and degradability:** Biodegrades readily under aerobic and anaerobic conditions.  
**Bioaccumulation:** No tendency to bioaccumulate.  
**Mobility in soil:** No data  
**Other adverse effects:** No data  
**Acute or chronic toxicity to aquatic organisms:** The low pH may result in acute ecotoxicity effects to organisms.



## Safety Data Sheet

(Vinegar)

DATE PREPARED: 10/16/2017

Chemical Name	CAS Number	Ecotoxicity
Water	7732-18-5	No data available
Acetic Acid	64-19-7	Aquatic 96-h LC50 Fluegill Sunfish 75 mg/L Aquatic 96-h LC50 Mosquito Fish 251 mg/L Aquatic 96-h LC50 Fathead Minnow 79 mg/L Aquatic 24-h LC50 Daphnia 47 mg/L Aquatic 24-h EC50 at pH 7 Daphnia 6,000 mg/L Aquatic 48-h EC50 Daphnia 65 mg/L Aquatic Plants 8-day growth inhibition 4,000 mg/L

### Section 13. Disposal Considerations

**Waste Treatment Methods:** Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

### Section 14. Transport Information

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

### Section 15. Regulatory Information

**TSCA:** All components of this product are listed on the TSCA inventory.

**SARA 304 CERCLA Hazardous Substances:** SARA 304 CERCLA reporting obligations exist for acetic acid (64-19-7) with a reportable quantity of 5000 lbs 100% acetic acid; (e.g., 16,667 lb of 30% acetic acid)

**FDA (Food and Drug Administration):** Vinegar is a GRAS (Generally Recognized as Safe) food ingredient.

**Canada Disclosure List:** Acetic acid (64-19-7)

### Section 16. Other Information

**Disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 10/16/2017