

# Safety Data Sheet

## Section 1: Identification

**Product Identifier:** Vinegar (6% acidity)  
**Chemical Name:** Acetic Acid (CH<sub>3</sub>COOH)  
**CAS #:** 64-19-7  
**Recommended Use:** Cleaning

**Distributor's Name:** Uline Inc.  
**Address:** 12575 Uline Drive  
Pleasant Prairie, WI 53158

**Telephone:** 1-800-295-5510

**Emergency Number:** CHEMTREC- US/Canada: 1-800-424-9300  
International: +1-703-527-3887

## Section 2: Hazard(s) Identification

**GHS Classification:** Skin Corrosive 2, Eye Irritant 2A, Hazardous to aquatic environment



### WARNING

#### Hazard Statements

**H320:** Causes eye irritation  
**H315:** Causes skin irritation  
**H332:** Harmful if inhaled  
**H402:** Harmful to aquatic life

#### Precautionary Statements

**P261:** Avoid breathing fumes/mist/vapors/spray  
**P264:** Wash exposed skin thoroughly after handling.  
**P280:** Wear protective gloves to avoid prolonged exposure.  
**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  
**P273:** Avoid release into the environment

Concentrated vapors irritating to eyes and respiratory tract, avoid inhalation. May cause minor skin irritation.

#### NFPA Scale-



NFPA SCALE (0-4)

#### HMIS Rating-

Health	2
Flammability	1
Physical Hazard	0
Personal Protection	X

HMIS RATINGS (0-4)

### Section 3: Composition/Information on Ingredients

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
Acetic Acid	6%	64-19-7
Water	94%	7732-18-5

### Section 4: First Aid Measures

<b>Inhalation:</b>	If exposed to excessive levels of fumes, remove to fresh air.
<b>Eye Contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER.
<b>Skin Contact:</b>	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.
<b>Ingestion:</b>	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: Fire Fighting Measures

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

### Section 6: Accidental Release Measures

<b>Small Spill Procedure:</b>	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.
<b>Large Spill Procedure:</b>	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.
<b>Personal Protection:</b>	Protect skin and eyes from exposure. Avoid breathing vapor.
<b>Environmental Precautions:</b>	Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

## **Section 7: Handling and Storage**

### **Precautions for Handling:**

Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Wash contaminated clothing before reusing.

### **Conditions for safe 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/Face Protection;**

Wear safety glasses and/or face shield.

### **Skin Protection:**

Rubber/neoprene gloves recommended. Rubber apron or other protective equipment as needed to reduce direct contact. (Concentrated vinegars only)

### **Respiratory Protection:**

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

**Thermal Hazards:** None known

### **General Hygiene considerations:**

## **Section 9: Physical and Chemical Properties**

Physical State and Appearance:	Liquid
Odor:	Pungent, Vinegar-like
Color:	Colorless, Clear
Boiling Point:	100°C (212°F)
Freezing Point:	-2.22°C (28 °F)
PH:	2.6
Specific Gravity:	1.049 (Water = 1)
Vapor Pressure:	1.5 kPa @ 20°C
Solubility in Water:	Complete

## **Section 10: Stability and Reactivity**

<b>Reactivity/Stability:</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Incompatibilities:</b>	Avoid strong oxidizing agents / bases
<b>Polymerization:</b>	Will not occur

## **Section 11: Toxicological Information**

<b>Routes of entry</b>	Inhalation, ingestion and skin contact
<b>Symptoms (acute)</b>	Respiratory irritation
<b>Delayed effects</b>	No data available
<b>Carcinogenicity</b>	No evidence of a carcinogenic effect
<b>Mutagenicity</b>	No evidence of a mutagenicity effect
<b>Teratogenicity</b>	No evidence of a teratogenicity effect
<b>Sensitization</b>	No evidence of a sensitization effect
<b>Reproductive</b>	No evidence of a Reproductive effect

## **Section 12: Ecological Information**

<b>Ecotoxicity:</b>	Will biodegrade readily under aerobic and anaerobic conditions.
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## **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.
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

Revision Date 8/30/2021	Revision Number – 3
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