

# Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Effective date : 11.05.2014

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## Vinegar, Cider

### SECTION 1 : Identification of the substance/mixture and of the supplier

**Product name :** Vinegar, Cider

**Manufacturer/Supplier Trade name:**

**Manufacturer/Supplier Article number:** S25624A

**Recommended uses of the product and restrictions on use:**

**Manufacturer Details:**

AquaPhoenix Scientific, Inc  
9 Barnhart Drive, Hanover, PA 17331  
(717) 632-1291

**Supplier Details:**

Fisher Science Education  
6771 Silver Crest Road, Nazareth, PA 18064  
(724)517-1954

**Emergency telephone number:**

Fisher Science Education Emergency Telephone No.: 800-535-5053

### SECTION 2 : Hazards identification

**Classification of the substance or mixture:**



**Flammable**



**Corrosive**

Flam. Liq. 3: H226

Skin Corr. 1A: H314

**Signal word :**Danger

**Hazard statements:**

Flammable liquid and vapour

Causes severe skin burns and eye damage

**Precautionary statements:**

Keep container tightly closed

Keep away from heat/sparks/open flames/hot surfaces. No smoking

Ground/bond container and receiving equipment

Use explosion-proof electrical/ventilating/light/.../equipment

Use only non-sparking tools

Take precautionary measures against static discharge

Wear protective gloves/protective clothing/eye protection/face protection

Do not breathe dust/fume/gas/mist/vapours/spray

Wash ... thoroughly after handling

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

IF IN EYES: 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

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IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

Specific treatment (see ... on this label)

In case of fire: Use ... for extinction

Store in a well ventilated place. Keep cool

Store locked up

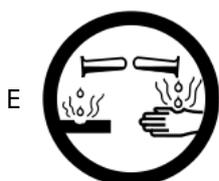
Dispose of contents/container to ...

### Note::

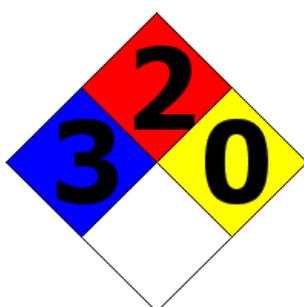
B: Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 of Annex VI entries with Note B have a general designation of the following type: "nitric acid ...%". In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

### Other Non-GHS Classification:

#### WHMIS



#### NFPA/HMIS



NFPA SCALE (0-4)

HMIS RATINGS (0-4)

### SECTION 3 : Composition/information on ingredients

#### Ingredients:

CAS 64-19-7

Acetic Acid, ACS

100 %

Percentages are by weight

### SECTION 4 : First aid measures

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### Description of first aid measures

After inhalation:

After skin contact:

After eye contact:

After swallowing:

### Most important symptoms and effects, both acute and delayed:

;

### Indication of any immediate medical attention and special treatment needed:

## SECTION 5 : Firefighting measures

### Extinguishing media

Suitable extinguishing agents:

For safety reasons unsuitable extinguishing agents:

### Special hazards arising from the substance or mixture:

### Advice for firefighters:

Protective equipment:

Additional information (precautions):

## SECTION 6 : Accidental release measures

### Personal precautions, protective equipment and emergency procedures:

### Environmental precautions:

### Methods and material for containment and cleaning up:

### Reference to other sections:

## SECTION 7 : Handling and storage

### Precautions for safe handling:

### Conditions for safe storage, including any incompatibilities:

## SECTION 8 : Exposure controls/personal protection

Control Parameters: 64-19-7, Acetic acid , ACGIH TLV: 25mg/m<sup>3</sup>  
64-19-7, Acetic acid , OSHA PEL: 25mg/m<sup>3</sup>

### Appropriate Engineering controls:

Respiratory protection:

Protection of skin:

Eye protection:

General hygienic measures:

## SECTION 9 : Physical and chemical properties

Appearance (physical state,color):

Below 16 °C, solid; Above 16 °C, colorless liquid

Explosion limit lower:  
Explosion limit upper:

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<b>Odor:</b>	strong, vinegar, lachrymator	<b>Vapor pressure:</b>	11.4 mmHg at 20 °C
<b>Odor threshold:</b>		<b>Vapor density:</b>	2.1 (air = 1)
<b>pH-value:</b>	2.4, conc: 1 M (aqueous solution); 2.9, conc: 0.1 M; 3.4, conc: 0.01 M	<b>Relative density:</b>	
<b>Melting/Freezing point:</b>	16.64 °C	<b>Solubilities:</b>	Miscible
<b>Boiling point/Boiling range:</b>	117.9 °C	<b>Partition coefficient (n-octanol/water):</b>	
<b>Flash point (closed cup):</b>	39 °C	<b>Auto/Self-ignition temperature:</b>	463 °C
<b>Evaporation rate:</b>	0.97 (butyl acetate = 1)	<b>Decomposition temperature:</b>	
<b>Flammability (solid,gaseous):</b>		<b>Viscosity:</b>	a. Kinematic: b. Dynamic:
<b>Density:</b> 1.0446 g/cm <sup>3</sup> at 25 °C			

### SECTION 10 : Stability and reactivity

**Reactivity:**

**Chemical stability:**

**Possible hazardous reactions:**

**Conditions to avoid:**

**Incompatible materials:**

**Hazardous decomposition products:**

### SECTION 11 : Toxicological information

<b>Acute Toxicity:</b>		
<b>Oral:</b>	3310 mg/kg	LD50 oral-rat: (Acetic Acid 64-19-7)
<b>Inhalation:</b>	5620 ppm/ 1 Hr	LC50 inhalation-rat: (Acetic Acid 64-19-7)
<b>Dermal:</b>	1060 mg/kg	LD50 dermal-rabbit: (Acetic Acid 64-19-7)
<b>Chronic Toxicity:</b> No additional information.		
<b>Corrosion Irritation:</b> No additional information.		
<b>Sensitization:</b>	No additional information.	
<b>Single Target Organ (STOT):</b>	No additional information.	
<b>Numerical Measures:</b>	No additional information.	
<b>Carcinogenicity:</b>	No additional information.	
<b>Mutagenicity:</b>	No additional information.	
<b>Reproductive Toxicity:</b>	No additional information.	

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## Vinegar, Cider

### SECTION 12 : Ecological information

#### Ecotoxicity

**Freshwater Fish:** 96 Hr LC50 Pimephales promelas: 79 mg/L

**Freshwater Fish:** 96 Hr LC50 Lepomis macrochirus: 75 mg/L

**Water Flea:** 48 Hr EC50 Daphnia magna: 65 mg/L

**Persistence and degradability:**

**Bioaccumulative potential:**

**Mobility in soil:**

**Other adverse effects:**

### SECTION 13 : Disposal considerations

**Waste disposal recommendations:**

### SECTION 14 : Transport information

**UN-Number**

**UN proper shipping name**

**Transport hazard class(es)**

**Packing group:**

**Environmental hazard:**

**Transport in bulk:**

**Special precautions for user:**

### SECTION 15 : Regulatory information

#### United States (USA)

**SARA Section 311/312 (Specific toxic chemical listings):**

None of the ingredients is listed

**SARA Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed

**RCRA (hazardous waste code):**

None of the ingredients is listed

**TSCA (Toxic Substances Control Act):**

All ingredients are listed.

**CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):**

None of the ingredients is listed

#### Proposition 65 (California):

**Chemicals known to cause cancer:**

None of the ingredients is listed

**Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed

**Chemicals known to cause reproductive toxicity for males:**

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None of the ingredients is listed

**Chemicals known to cause developmental toxicity:**

None of the ingredients is listed

#### Canada

**Canadian Domestic Substances List (DSL):**

All ingredients are listed.

**Canadian NPRI Ingredient Disclosure list (limit 0.1%):**

None of the ingredients is listed

**Canadian NPRI Ingredient Disclosure list (limit 1%):**

64-19-7 Acetic Acid

#### SECTION 16 : Other information

**GHS Full Text Phrases:**

**Abbreviations and acronyms:**

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Last updated : 05.12.2015