

# MATERIAL SAFETY DATA SHEET

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Date Prepared: March 15, 1995  
MSDS Number : 00000070

Vinegar

# 235163165

03/07/95 04/10/87

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PO/Code Number : 3165  
Product Identifier : Vinegar 3165 03/07/95 04/10/87  
General Use : Neutralizing agent  
Product Description: Odor color for appropriate type of vinegar  
Trade Name/Chemical Family/Synonyms:  
Vinegar acetic acid

MANUFACTURER:  
Speaco Corp.  
2400 Nicholson Ave  
  
Kansas City, Mo 64120  
816-483-1700

EMERGENCY TELEPHONE NUMBERS:  
Health 816-483-1700  
Transportation N/A- -  
CHEMTREC 800-424-9300

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Wt. %	CAS Registry #
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OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

Component	Hazard	OSHA STEL	OSHA PEL	ACGIH TLV	Supplier
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No hazardous material

## 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW  
N/A

POTENTIAL HEALTH EFFECTS

INHALATION:

Inhalation of vapors from 25-50 PPM or more can cause irritation of eyes and respiratory tract.

EYE CONTACT:

May cause severe injury to eyes.

SKIN CONTACT:

Skin contact with vinegars over 10% acetic acid may cause mild injury.

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### 3. HAZARDS IDENTIFICATION, Continued

POTENTIAL HEALTH EFFECTS

INGESTION:

N/A

CHRONIC:

N/A

TARGET ORGANS:

N/A

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

N/A

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### 4. FIRST AID MEASURES

INHALATION:

If the vapors are inhaled extensively, exposed person should be removed to fresh air immediately.

EYE CONTACT:

N/A

SKIN CONTACT:

Skin exposed to vinegars above 10% acetic acid should be flushed immediately with water.

INGESTION:

If vinegars above 10% acetic acid are swallowed, water should be consumed to dilute.

NOTES TO PHYSICIAN:

N/A

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### 5. FIRE FIGHTING MEASURES

Flashpoint(°F) and Method : N/A

Autoignition Temperature(°F) : N/A

#### FLAMMABLE LIMITS

Ingredient: N/A

UEL: N/A

LEL: N/A

#### GENERAL HAZARD:

Toxic gases and vapors may be released in a fire involving concentrated vinegar.

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## 5. FIRE FIGHTING MEASURES, Continued

FIRE FIGHTING INSTRUCTIONS  
N/A

FIRE FIGHTING EQUIPMENT:  
N/A

### EXTINGUISHING MEDIA:

Foam: Yes

Alcohol Foam: \*

CO2: Yes

Dry Chemical: Yes

Water: Yes

Other: \*

HAZARDOUS COMBUSTION PRODUCTS:  
N/A

### NATIONAL FIRE PROTECTION ASSOCIATION:

NFPA Hazard Rating: 0-Insignificant 1-Slight 2-Moderate 3-High  
4-Extreme U-Unknown \*-No Information

Health : U  
Flammability : U  
Reactivity : U

SPECIAL INFORMATION:  
N/A

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## 6. ACCIDENTAL RELEASE MEASURES

### LAND SPILL

Area should be ventilated and vinegar contained as much as possible.

### WATER SPILL

N/A

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## 7. HANDLING AND STORAGE

STORAGE TEMPERATURE (°F): N/A

STORAGE PRESSURE: N/A

### GENERAL:

N/A

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### ENGINEERING CONTROLS:

Concentrated vinegars can attack some forms of plastic, rubber and coatings

### PERSONAL PROTECTION:

#### RESPIRATOR:

Not needed for normal use.

#### PROTECTIVE CLOTHING:

Goggles recommended. Rubber gloves as needed.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure (mmHg)	: 11	pH	: 1.05
Specific Gravity (Water=1)	: 1.05	Odor	: Distintive
Solubility in Water	: all portions		
Freezing Point	: N/A		
Evaporation Rate (BuAc=1)	: N/A		
Viscosity	: N/A		
Boiling Point (°F)	: 244 Deg F		
Appearance	: Appropriate color and odor		
Physical State	: Liquid		
Vapor Density (Air=1)	: 2.1		
Percent Volatile by Vol	: N/A		

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## 10. STABILITY AND REACTIVITY

### GENERAL:

Stable

### INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

Contact with strong oxidizers may cause fires and explosions: will react with strong caustics to cause violent splattering.

### HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide and/or carbon dioxide

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## 11. TOXICOLOGICAL INFORMATION

N/A

### CARCINOGENIC INFORMATION: N/A

CAS #: N/A %Wt.: N/A

IARC: No

NTP: No

OSHA: No

ACGIH: No

Other: No

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12. ECOLOGICAL INFORMATION

N/A

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13. DISPOSAL CONSIDERATION

RCRA Hazard Class: N/A

May be disposed of by diluting with water and neutralizing with caustic solution. Advised to consult with appropriate regulatory agencies before discharge, treatment or disposal.

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14. TRANSPORT INFORMATION

DOT (Department of Transportation)  
Proper Shipping Name : N/A  
Hazard Class : N/A  
Identification Number : N/A

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15. REGULATORY INFORMATION

TSCA (Toxic Substance Control Act):  
N/A

CERCLA  
(Comprehensive Environmental Response Compensation, and Liability Act):  
N/A

SARA TITLE III (Superfund Amendments and Reauthorization Act):  
311/312 Hazard Categories:  
N/A

313 Reportable Ingredients:  
N/A

CALIFORNIA PROPOSITION 65:  
N/A

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16. OTHER INFORMATION

N/A

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16. OTHER INFORMATION, Continued

REFERENCES

N/A

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N/A : Not Available

N/D : Not Determined

N/E : Not Established

\* - Where no corresponding data was contained in manufacturer's MSDS, additional research is required and is available upon request.

THE INFORMATION RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY ONESELF AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR HIS OWN PARTICULAR USE.

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