

890011

THE CLEMENTS FOODS COMPANY
Recommended Information for Hazard Communication
Material Safety Data Sheet

Date Issued: November 11, 2008

Trade Name: White Distilled Vinegar - Table Strength

Chemical Name: Dilute Acetic Acid (CH₃COOH)

Definition: Product made by the acetous fermentation of ethyl alcohol to contain 4-5% acetic acid (40-50 grain vinegar).

Manufacturer's Name & Address: Clements Foods Company
6601 N. Harvey Place
Oklahoma City, OK 73116

Contact: Tommy R. Johnson

Phone Number: 1-800-654-8355

HEALTH HAZARD DATA

Inhalation: Threshold Limit Value: 10 ppm
Short Term Exposure Limit: 15 ppm for 15 min.
Odor Threshold: 1.0 ppm

Prolonged inhalation of vapors can cause irritation to respiratory tract.

Eyes: Will cause eye irritation - smarting and reddening of the eye.

EMERGENCY & FIRST-AID PROCEDURES

In case of eye contact, flush immediately and thoroughly with water.

If swallowed in large amounts, water should be consumed to dilute. Do not induce vomiting. Do not give emetics or baking soda.

Stability - Good

Hazardous Polymerization - Will not occur

Page 2

PHYSICAL DATA

Appearance & Odor: Appropriate color and odor for type of vinegar.

Boiling Point: 224 degrees F. Vapor Pressure (MMHG): 11MM

Vapor Density (Air = 1): 2.1 Solubility in Water: Complete

Specific Gravity: 1.01 pH: 2.2 @ 100 grain

FIRE AND EXPLOSION HAZARD DATA

Flash Point: 40 degrees C closed cup

(Acetic Acid)

Auto Ignition Temperature: 427 degrees C

(Acetic Acid)

Flammable Limits in Air: 4.0% - 16.0%

(Acetic Acid)

Fire Extinguishing Agents Recommended:

Water spray, foam CO or dry chemical. Water may be used to dilute

2

spills and reduce flammability.

Unusual Fire and Explosion Hazards:

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

REACTIVITY DATA

Stability

(x) Stable

() Unstable

Hazard Polymerization

(x) Will not occur

() May occur

Incompatibility:

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

Page 3

SPECIAL PROTECTION INFORMATION

Respiratory Protection:

As required to prevent exposure to concentrations which exceed the permissible level.

Ventilation:

Local exhaust recommended.
Mechanical recommended.

Eyes and Face:

Safety glasses or plastic face shield required.

Hands, Arms, and Body:

Rubber or neoprene gloves recommended.
Rubber apron or other protective equipment as required to reduce direct contact.

Other Equipment:

Eye wash station and safety shower.