

DRI-PAK LIMITED

SAFETY DATA SHEET in accordance with Regulation (EC) 1272/2008 and Regulation (EU) 453/2010

Product: **WHITE VINEGAR**

MSDS 07/08/D Version 1 Date compiled August 2011

Revision 0 Date revised N/A Page 1 of 5

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name **White Vinegar**

Chemical Name Acetic acid (4% aqueous solution).

CAS Number 64-19-7

EC Number 200-580-7

Index Number 607-002-00-6

REACH Registration number 01-2119475328-30

1.2 Relevant identified uses of the substance/mixture and uses advised against
Surface cleaner.

1.2.1 Uses advised against Do not use on frosted glass or leaded windows. Do not apply to metal plated surfaces. Do not use on natural limestone or marble.

1.3 Details of the supplier of the safety data sheet

Company Details Dri-Pak Limited,

Furnace Road,

Ilkeston, Derbyshire, DE7 5EP

Telephone 0115 9 325165

Fax 0115 9 440297

E-mail address bruce@dripak.co.uk

1.4 Emergency Telephone Number

Emergency Number 07836 697940

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) 1272/2008 and EU Directive 67/548/EEC

Not classified as for supply

2.2 Label elements

2.2.1 Labelling according to Regulation (EC) 1272/2008

Acetic acid 4%.

No other special labelling identified.

2.3 Other hazards

This product does not contain any PBT or vPvB substances.

No other hazards identified.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1/2 Substance/Mixture

An aqueous solution of acetic acid (4 %) made by diluting 80% aqueous acetic acid.

3.2.1/2 Hazardous component in unclassified mixture

Main constituent Formula CAS No EC No

Acetic acid (80%) CH₃COOH 64-19-7 200-580-7

Classification (EC 1272/2008)

Hazard Class Hazard Statements

Acetic acid (80%) GHS02,GHS05 H226,H314

Classification (67/548/EEC)

Symbol Risk Phrases

Acetic acid (80%) Flammable R10

C R34

3.2.3 Other hazardous components in mixture

None identified.

The full texts of all R-Phrases are displayed in Section 16.

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4. FIRST AID MEASURES

4.1 Description of first aid measures

4.1.1 General advice Take off all contaminated clothing. No known delayed effects.

Inhalation Move to fresh air, keep warm and at rest. If symptoms persist seek medical advice.

Skin contact Remove contaminated clothing. Wash the skin with plenty of water. Obtain medical attention if symptoms, e.g. redness or irritation, develop.

Eye contact Remove contact lenses if present. The eye should be thoroughly irrigated with clean water for not less than 15 minutes. Obtain medical attention if symptoms develop.

Ingestion Wash out mouth with water and give plenty of water to drink. Do not induce vomiting. If patient feels unwell obtain medical attention.

Further Medical Symptomatic treatment and supportive therapy as indicated.

Treatment

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: Irritation may occur.

Eye contact: Redness or irritation may occur.

Ingestion: May cause coughing.

Inhalation: There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Non-combustible although packaging may burn.

5.1.1 Suitable extinguishing media

Use extinguisher suitable for surrounding fire conditions.

5.1.2 Unsuitable extinguishing media

No further information available.

5.2 Special hazards arising from the substance or mixture

No further information available.

5.3 Advice for fire fighters

No special precautions required.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non emergency personnel

Small quantities may be mopped up and washed away using plenty of water. Avoid contact with skin and eyes.

6.1.2 For emergency responders

In the event of accidental release of bulk liquid wear suitable gloves and eye/face protection. Absorb with liquid binding materials. The product can then be transferred to containers for disposal according to local legislation. The affected area can be cleaned with plenty of water. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

6.2 Environmental precautions

Refer to Section 12.

6.3 Methods and material for containment and cleaning up

Refer to 6.1 above.

6.4 Reference to other sections

For personal protection see Section 8.

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7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Users with sensitive skin should wear gloves. Wash promptly with soap and water if skin becomes contaminated. Avoid contact with eyes.

7.2 Conditions for safe storage, including any incompatibles

Store in a cool well-ventilated place in the original closed containers. Keep out of reach of children.

7.3 Specific end use(s)

Refer to label on container.

8. EXPOSURE CONTROLS /PERSONAL PROTECTION

8.1 Control parameters

No specific details available.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

None should be necessary.

8.2.2 Personal protective equipment

Respiratory protection No special precautions.

Eye protection Avoid contact with eyes.

Skin protection Gloves are recommended for people with sensitive or damaged skin. Avoid prolonged contact with skin. Rinse hands after use.

Industrial Hygiene Normal standards of industrial hygiene should be observed.

Disposal Empty container thoroughly before disposal, Rinse empty container with water and recycle where possible.

8.2.3 Environmental exposure controls

Normal standards of care should be observed.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance colourless liquid

Odour smell of vinegar

Odour threshold currently not available

pH 2.1-2.5

Melting point/Freezing Point about 0 deg C

Initial boiling point and boiling point range about 100 deg C

Flash point not applicable at this dilution

Evaporation rate currently not available

Flammability (solid, gas) does not ignite

Upper flammability or explosive limits currently not available

Vapour pressure currently not available

Vapour density currently not available

Relative density (bulk density) 1.005 approx.

Solubility(ies) miscible with water

Partition coefficient: n-octanol/water currently not available

Autoignition temperature does not burn

Decomposition temperature currently not available

Viscosity similar to water

Explosive properties not explosive

Oxidising properties not an oxidising product

9.2 Other information

No other information available.

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10. STABILITY AND REACTIVITY

10.1 Reactivity Weak acid.

10.2 Chemical stability Stable.

10.3 Possibility of hazardous reactions None likely in normal use.

10.4 Conditions to avoid Strong heat.

10.5 Incompatible materials Metal surfaces, carbonates.

10.6 Hazardous decomposition products None.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

No specific information available.

Inhalation Not a likely hazard.

Skin contact May cause irritation to sensitive skin on prolonged use.

Eye contact May cause redness and some irritation.

Ingestion Very large doses may result in a burning sensation in the mouth and throat and possibly nausea and vomiting.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No specific information available.

12.2 Persistence and degradability

Biodegradable.

12.3 Bioaccumulative potential

No bioaccumulation expected.

12.4 Mobility in soil

Readily absorbed into soil.

12.5 Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6 Other adverse effects

No environmental hazard is likely provided the product is handled and disposed of with due care in accordance with normal household practice on following the instructions on the label.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal should be in accordance with local, county or national legislation. Small quantities may be washed away using plenty of water. Dispose of contents by using as per directions for use. Rinse empty container and recycle where possible.

14. TRANSPORT INFORMATION

In its normal packaging this product is not classified as hazardous for transport.

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15 REGULATORY INFORMATION

15.1 Safety, health and and environmental regulations/legislation specific for the substance or mixture

Health, safety and environmental details to be shown on label. Ref. Regulation (EC) 1272/2008 and EU Directive 67/548/EEC.

Refer to Section 2.

15.2 Chemical safety assessment

No chemical safety assessment has been undertaken on acetic acid (80%) according to our supplier.

Acetic acid is included in the list of harmonised classification and labelling of hazardous substances.

16. OTHER INFORMATION

List of relevant R-phrases and symbols not included in Sections 2 and 3 for 80% acetic acid.

GHS02 Flammable liquids hazard categories 1,2,3 category 3

GHS05 Skin corrosion, hazard category 1B

Hazard Statement H314 Causes severe skin burns and eye damage.

C Corrosive

R34 Causes burns

R10 Flammable

Abbreviations and acronyms

PBT Persistent, Bioaccumulative, Toxic

vPvB very Persistent, very Bioaccumulative

The product information in this Data Sheet is, to the best of Dri-Pak's knowledge, correct as at the date of publication. No warranty is implied with respect to the quality or the specification of the product. The user must satisfy himself/herself that the product is suitable for his/her purpose.