

**DRI-PAK LIMITED**

SAFETY DATA SHEET in accordance with Regulation (EC) 1907/2006 and Regulation (EU) 453/2010

Product: **RINSE AID**

MSDS 04/02/D

Version 1

Date compiled August 2011

Revision 1

Date revised June 2015

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**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product Identifier**Product Name **Rinse Aid**

Chemical Name A mixture.

**1.2 Relevant identified uses of the substance/mixture and uses advised against**

For use in automatic dish washing machines

1.2.1 Uses advised against Do not mix with other products.

**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**2.1.2 Classification according to Regulation (EC) No. 1272/2008  
Not classified as for supply.**2.2 Label elements**2.2.1 Labelling according to Regulation (EC) No. 1272/2008  
No special labelling identified.**2.3 Other hazards**

Not identified as a PBT or a vPvB substance.

No other information is available.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1/2 Substance/Mixture**

Rinse Aid is a mixture containing a less than 25% non-ionic surfactant (alkoxylated alcohol) and the following, amongst other ingredients.

**3.2.1/2 Hazardous components in unclassified mixture**

Sodium Xylene sulphonate Concentration less than 5%

Citric acid Concentration less than 5%

Acticide MBS Concentration less than 1%

CAS Number EC Number

Sodium Xylene sulphonate 1300-72-7 215-090-9

Citric acid 77-92-9 201-069-1

Acticide MBS 56965-84-9 611-341-5

Classification Regulation (EC) No. 1272/2008

Hazard Class Hazard Statement

Sodium Xylene sulphonate Eye irritant 2 H319

Citric acid Eye irritant 2 H319

Acticide MBS (See Section 16) Eye Damage 1 H318

Skin Sens. 1B H317

Aqu. Chronic 3 H412

**3.2.3 Other hazardous components in mixture**

None identified.

REACH Registration number of citric acid 01-2119457026-42-0006.

The full texts of all H-statements 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.
- Inhalation Move to fresh air.
- Skin contact Remove contaminated clothing. Wash the skin with plenty of water until no 'soapy' feeling remains. Obtain medical attention if symptoms, e.g. redness or irritation, develop.
- Eye contact The eye should be thoroughly irrigated with clean water for not less than 10 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 Treatment Symptomatic treatment and supportive therapy as indicated.

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 neededTreat symptomatically.

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**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 fightersNo further information available.

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**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 sectionsFor personal protection see Section 8.

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**7. HANDLING AND STORAGE****7.1 Precautions for safe handling**

Always follow good personal hygiene when working with this product. Avoid contact with skin and eyes.

**7.2 Conditions for safe storage, including any incompatibles**

Store in original containers in a cool place.

Keep out of the reach of children.

**7.3 Specific end use(s)**

Refer to label on container.

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**8. EXPOSURE CONTROLS /PERSONAL PROTECTION****8.1 Control parameters**

No specific information 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.

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**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Appearance	a clear colourless liquid
Odour	slight, characteristic surfactant
Odour threshold	currently not available
pH	2.5
Melting point/Freezing Point	About -5 deg C
Initial boiling point and boiling point range	about 100 deg C
Flash point	not applicable
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	1.02-1.03
Solubility(ies)	miscible with water
Partition coefficient: n-octanol/water	currently not available
Autoignition temperature	currently not available
Decomposition temperature	currently not available
Viscosity	as 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 | <u>Reactivity</u>                         | Will react with alkalis .                    |
| 10.2 | <u>Chemical stability</u>                 | Stable under recommended storage conditions. |
| 10.3 | <u>Possibility of hazardous reactions</u> | None identified..                            |
| 10.4 | <u>Conditions to avoid</u>                | Strong heat causing the product to dry out.  |
| 10.5 | <u>Incompatible materials</u>             | Alkalis.                                     |
| 10.6 | <u>Hazardous decomposition products</u>   | No information available.                    |
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**11. TOXICOLOGICAL INFORMATION**

- 11.1 Information on toxicological effects  
No specific information available.
- |              |                                                                                                                                                                    |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation   | Not a predictable hazard in household use.                                                                                                                         |
| Skin contact | There is little danger of cold product causing damage to the skin but dryness, irritation and reddening may occur particularly with repeated or prolonged contact. |
| Eye contact  | May cause irritation and redness.                                                                                                                                  |
| Ingestion    | May result in a burning sensation in the mouth and throat, inability to swallow, and irritation of the gastro-intestinal tract with nausea and vomiting.           |
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**12. ECOLOGICAL INFORMATION**

- 12.1 Toxicity  
No specific information available.
- 12.2 Persistence and degradability  
Organic components are readily biodegradable. The surfactant content complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.
- 12.3 Bioaccumulative potential  
No bioaccumulation expected.
- 12.4 Mobility in soil  
Readily absorbed into soil.
- 12.5 Results of PBT and vPvB assessment  
Not a PBT or vPvB mixture.
- 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.
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**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 diluting as per directions for use. Rinse empty container and recycle where possible.
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**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 environmental regulations/legislation specific for the substance or mixture

Health, safety and environmental details to be shown on label Ref. Regulation (EC) No. 1272/2008.

Refer to Section 2. No special labelling identified.

15.2 Chemical safety assessment

A chemical safety assessment has been undertaken on citric acid by our supplier.

A chemical safety assessment has not been undertaken on this product.

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**16. OTHER INFORMATION**

Changes to Revision 0: Reference to EU Directive 67/548/EEC and Directive 1999/45/EC deleted. Classification now according to Regulation (EC) No. 1272/2008. Changes made to Sections 2, 3, 15 and 16.

Relevant Hazard Classes and H-Statements not listed in Sections 2 and 3

H-Statements

H318	Causes serious eye damage
H319	Causes serious eye irritation
H317	May cause an allergic skin reaction
H412	Harmful to aquatic life with long lasting effects

Active components of Acticide MBS in this product:

1,2-benzisothiazol-3(2H)-one (Trace)
CAS 2634-33-5 EINECS 220-120-9
2-methyl-isothiazol-3(2H)-one (Trace)
CAS 2682-20-4 EINECS 220-239-6

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.

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