



## Product Information Sheet

Re-Issue Date: 01/04/03

Page 1 of 3

### **UDDER WISE TEAT SPRAY**

#### **METHOD OF USE**

UDDER WISE is a new generation teat sanitiser formulated for use as a solution to be applied as a post-milking spray to cows' teats.

UDDER WISE solutions should be prepared using only clean water and in a clean container. Only rain water should be used.

Prepare a maximum one week's solution at a time.

UDDER WISE solutions should be agitated to uniformly disperse the active thoroughly prior to each milking.

#### **EFFICACY**

UDDER WISE was extensively field trialled throughout Australia for over six years prior to registration.

UDDER WISE was found to be at least as effective as a 5000ppm solution of Iodine in preventing new mastitis infections. It has been demonstrated to be bacteriocidal against the following organisms:-

Staphylococcus aureus	Streptococcus uberis
Streptococcus agalactiae	Streptococcus dysgalactiae
E. Coli	Pseudomonas aeruginosa
Salmonella typhimurium	Klebsiella oxytoca

#### **ACTIVE INGREDIENT**

Udder Wise is based on Hydrolysed Linseed Oil Fatty Acids, compounds which are naturally present in milk.

Studies have demonstrated that the correct use of the teat disinfectant does not impart flavour, odour or colour taint to milk or milk products, or introduce harmful concentrations of residues.

The product is biodegradable and decomposition products of its components are considered non-harmful.

The Product Information Sheet supersedes all previous issues for this product. Information contained herein is offered in good faith as being true and accurate to the best of our knowledge, but as the conditions of use are beyond our control, no guarantees are either stated or implied.

Where health or safety data given discloses a risk to the user or the environment, it is the responsibility of the purchaser to pass on the information to employees who may be using the product, ensuring that adequate safety procedures are used, including good industrial hygiene.

#### ***Tasman Chemicals Pty Ltd***

**Victoria:** 1-7 Bell Grove, Braeside 3195 Ph: 61-3-9587 6777 Fax: 61-3-9587 5255

**New South Wales:** Suite 15, 380 Pennant Hills Road, Pennant Hills 2120 Ph: 61-2-9980 5999 Fax: 61-2-9484 8647

**South Australia:** 4/159 Williams Street, Beverley 5009 Ph: 61-8-8243 0644 Fax: 61-8-8243 0622

**Tasmania:** 1 Durham Road, Cooee 7320 Ph: 61-3-6432 1988 Fax: 61-3-6432 1989

**Western Australia:** 8 O'Connor Way, Wangara 6065 Ph: 61-8-9309 2100 Fax: 61-3-9309 2511

**Queensland:** Unit 12/172 Redland Bay Road, Capalaba, 4157 Ph: 61-7-3245 2862 Fax: 61-7-3245 2413



## Product Information Sheet

Page 2 of 3

### UDDER WISE CHALLENGE

The UDDER WISE was diluted with sterile distilled water to final concentration of 1:10.

Challenge concentration of organisms in working strength Udder Wise.

E. coli	4 x 10 <sup>6</sup> /ml	S. agalactiae	4 x 10 <sup>6</sup> /ml
K. oxyloca	1.1 x 10 <sup>6</sup> /ml	S. dysgalactiae	3 x 10 <sup>6</sup> /ml
S. typhimurium	0.9 x 10 <sup>6</sup> /ml	S. uberis	9.3 x 10 <sup>6</sup> /ml
Ps. aeruginosa	1.3 x 10 <sup>6</sup> /ml	S. aureus	4 x 10 <sup>6</sup> /ml

Sub-cultures were taken from each of these solutions at 0Hrs, 1Hr, 3Hrs and 20Hrs.

All of the above was carried out in duplicate.

Results as follows:

BACTERIA	TIME				
	T=<1 Min	T=1	T=3	T=6	T=20
E. coli	2.6 x10 <sup>6</sup> /ml	0	0	0	0
K. oxytoca	0	0	0	0	0
S. typhimurium	0	0	0	0	0
Ps. aeruginosa	0	0	0	0	0
S. agalactiae	0	0	0	0	0
S. uberis	0	0	0	0	0
S. aureus	0	0	0	0	0

This table of results was from work done at CENTAUR INTERNATIONAL PTY. LTD., Bairnsdale with a 5LT pack of UDDER WISE bought from a GIPPSLAND RETAILER. The scientist says “Udder Wise appears effective in killing a range of mastitis causing bacteria within 1 hour at extremely high challenge rates. No multiplication of bacteria occurred. Significantly, S. aureus and S. agalactiae appeared to be killed immediately (subcultured < 1 min). The E. coli numbers also dropped dramatically.”

### SKIN CONDITION

Generally, with the continued use of UDDER WISE farmers report an improvement in teat condition. Skin is less rough and chaps and sores are reduced. This was clearly demonstrated in our clinical trials.

There may be, in isolated instances, some skin peeling around the teat and udder. This condition is generally associated with very hot weather (>30°C) and may persist for 3-4 days. This condition appears to be only of cosmetic significance, and skin condition is good beneath the peeled skin.

The Product Information Sheet supersedes all previous issues for this product. Information contained herein is offered in good faith as being true and accurate to the best of our knowledge, but as the conditions of use are beyond our control, no guarantees are either stated or implied.

Where health or safety data given discloses a risk to the user or the environment, it is the responsibility of the purchaser to pass on the information to employees who may be using the product, ensuring that adequate safety procedures are used, including good industrial hygiene.

#### **Tasman Chemicals Pty Ltd**

**Victoria:** 1-7 Bell Grove, Braeside 3195 Ph: 61-3-9587 6777 Fax: 61-3-9587 5255

**New South Wales:** Suite 15, 380 Pennant Hills Road, Pennant Hills 2120 Ph: 61-2-9980 5999 Fax: 61-2-9484 8647

**South Australia:** 4/159 Williams Street, Beverley 5009 Ph: 61-8-8243 0644 Fax: 61-8-8243 0622

**Tasmania:** 1 Durham Road, Cooee 7320 Ph: 61-3-6432 1988 Fax: 61-3-6432 1989

**Western Australia:** 8 O'Connor Way, Wangara 6065 Ph: 61-8-9309 2100 Fax: 61-3-9309 2511

**Queensland:** Unit 12/172 Redland Bay Road, Capalaba, 4157 Ph: 61-7-3245 2862 Fax: 61-7-3245 2413



## Product Information Sheet

Page 3 of 3

We recommend the use of 10% Glycerine in the prepared solution for 3 weeks when changing to UDDER WISE from an Iodine or Chlorhexidine based spray. Should there be skin peeling the addition of 10% Glycerine to the UDDER WISE solution helps to clear this condition and promote supple skin.

### PRECAUTION

Ensure only cooled boiled water is used for the preparation of UDDER WISE solutions. The presence of organic matter such as milk or faeces will reduce the bactericidal activity of the preparation.

Check stability of prepared solutions and always agitate to disperse the active prior to use.

A full set of clinical trial results is available on requests. For further information regarding this product please contact the Technical Manager, Keith Sadlier, on (03)9555 8033.

Our veterinary consultant is Dr Chris Hibburt (055) 983 209.

### KEY MASTITIS CONTROL STRATEGIES TO LOWER BMCC

- \* MILK CORRECTLY
  - Strategic washing/Turn off vacuum before removing cups (cups should “fall off” cows).
- \* TEAT SPRAY CORRECTLY
  - Freshly prepared emollient may be added.
- \* TREAT CLINICAL MASTITIS CASES
  - Full course of the appropriate antibiotic.
- \* USE DRY COW AT DRYING OFF
  - Only S4 dry cow from a vet is recommended.
  - Treat ALL cows with dry cow if BMCC is over 400,000.
- \* CULL CORRECTLY
  - More than 3 cases of clinical in a season.
  - Older cows that do not respond to dry cow.

Also: Record all treatment.

Regular use of UDDER WISE is a key part of an overall strategy to reduce BMCC.

The Product Information Sheet supersedes all previous issues for this product. Information contained herein is offered in good faith as being true and accurate to the best of our knowledge, but as the conditions of use are beyond our control, no guarantees are either stated or implied.

Where health or safety data given discloses a risk to the user or the environment, it is the responsibility of the purchaser to pass on the information to employees who may be using the product, ensuring that adequate safety procedures are used, including good industrial hygiene.

#### **Tasman Chemicals Pty Ltd**

**Victoria:** 1-7 Bell Grove, Braeside 3195 Ph: 61-3-9587 6777 Fax: 61-3-9587 5255

**New South Wales:** Suite 15, 380 Pennant Hills Road, Pennant Hills 2120 Ph: 61-2-9980 5999 Fax: 61-2-9484 8647

**South Australia:** 4/159 Williams Street, Beverley 5009 Ph: 61-8-8243 0644 Fax: 61-8-8243 0622

**Tasmania:** 1 Durham Road, Cooee 7320 Ph: 61-3-6432 1988 Fax: 61-3-6432 1989

**Western Australia:** 8 O'Connor Way, Wangara 6065 Ph: 61-8-9309 2100 Fax: 61-3-9309 2511

**Queensland:** Unit 12/172 Redland Bay Road, Capalaba, 4157 Ph: 61-7-3245 2862 Fax: 61-7-3245 2413