



## Product Information Sheet

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### ERA

Tasman ERA is a doubly concentrated detergent powder formulation for use in hot or cold water. The concentrated detergency of ERA provides for economical cleaning of the highest order, since only half the amount of other detergent powders is required in the wash cycle.

Improved sequestering and water-conditioning compounds contained in ERA ensure thorough penetration of fabrics and excellent grease and soil scavenging in hard water areas.

The controlled foaming of ERA allows its use in all house-hold and commercial washing machines. It is especially suited to front loading washing machines.

ERA is sensibly packaged in 25 kg bags and is a completely biodegradable product, satisfying the N.H.M.R.C.

The formulation of ERA offers advantages to users of specialised detergents in the commercial, hospital and institutional laundry fields.

The following features of ERA are properties which clearly stamp it as a superior product.

1. **EXCEPTIONAL RINSABILITY** - The benefits of this are two-fold. First, it is usually possible to **reduce the number of rinses** thereby decreasing water and sewerage costs. More importantly, the time of the wash cycle is reduced, allowing more washes per machine per day. Secondly, suspended soils are more easily removed from the fabric weave, unlike soap residues which tend to remain in the work despite a number of rinses.
2. **TOLERANT TO HARD WATERS** - Every launderer is familiar with the scale and lime-soap deposits that build up on the outside of the cage, and the inaccessible areas of the washing machine. This problem is more prevalent in hard water areas where minerals can approach 800 ppm. ERA contains water-softening phosphates, which act to condition water and remove scale by solubilising calcium and magnesium oxalate salts. Again the benefits of the formulation are two-fold.

1. Down time required to clean badly scaled machines is reduced dramatically.
2. Addition of hard water sequesterants to the wash cycle is necessary.
3. Non-selectivity - ERA is formulated for use with all fabrics and is especially suitable for use with synthetics and woollens.

The following washing cycles have been introduced in many industrial and commercial laundries with economy in material used and labour time. A reduction in wash time of 25 per cent is a regular feature of laundry operation when ERA is introduced.

LAUNDRY CYCLE FOR HEAVILY SOILED WHITE COTTONS  
(50 KG WASH)

<u>OPERATION:</u>	<u>DIP:</u>	<u>TEMP:</u>	<u>TIME:</u>	<u>ADDITIONS:</u>
Break wash	150 mm	Cold	5 mins	
Dump			1 min	
Boil	100 mm	95°C	10 mins	150-200 gm ERA
Dump			1 min	
Hot rinse	280 mm	60°C	5 mins	60 gm CHLORTEX
Dump			1 min	
Hot rinse	280 mm	60°C	3 mins	
Dump			1 min	
Cold rinse	300 mm		5 mins	
Dump			1 min	
TOTAL TIME =			<u>33 mins</u>	

LAUNDRY CYCLE FOR LIGHTLY SOILED MAINTENANCE BLUES

Hot wash	100 mm	95°C	10 mins	150-200 gm ERA
Dump			1 min	
Hot rinse	280 mm	60°C	10 mins	
Dump			1 min	
Cold rinse	300 mm	Cold	5 min	
Dump			1 min	
TOTAL TIME =			<u>28 mins</u>	

LAUNDRY CYCLE FOR MEDIUM SOILED KHAKI COTTONS

<u>OPERATION:</u>	<u>DIP:</u>	<u>TEMP:</u>	<u>TIME:</u>	<u>ADDITIONS:</u>
Break wash	150 mm	Cold	5 mins	150-200 gm ERA
Dump			1 min	
Boil	100 mm	95°C	10 mins	
Dump			1 min	
Hot rinse	280 mm	60°C	5 mins	
Dump			1 min	
Cold rinse			5 mins	
Dump			1 min	
TOTAL TIME =			<u>29 mins</u>	

LAUNDRY CYCLE FOR SOILED POLYESTERS

Break wash	300 mm	Cold	3 mins	
Dump			1 min	
Cold rinse	300 mm	Cold	3 mins	
Dump			1 min	
Hot wash	100 mm	95°C	10 mins	150-200 gm ERA
Dump			1 min	
Bleach	100 mm	70°C	8 mins	75-80 gm SAFETY BLEACH
Dump			1 min	
Hot rinse	280 mm	60°C	3 mins	
Dump			1 min	
Hot rinse	280 mm	50°C	3 mins	
Dump			1 min	
Cold rinse	300 mm	Cold	4 mins	
Dump			1 min	
TOTAL TIME =			<u>41 mins</u>	

These are representative type cycles that have been found to give excellent cleaning results in the laundries in which they were instituted.

Since washing formulae vary from laundry to laundry with the amount and type of soil to be removed, it is recommended that each launderer establish his own formula with ERA, on the basis of his own experience. He will find that if (for example) 450 gm of soap was required in a particular formula, superior results will be obtained with 250-300 gm of ERA.

As detailed in the wash cycles, Tasman have developed two bleaching agents for use with Tasman ERA to offer launderers a washing system unsurpassed for simplicity, economy and results on all fabric types.

**CHLORTEX STABILISED BLEACH**

Contains 20% minimum available chlorine.

CHLORTEX is a fine, readily soluble powder designed for use with cottons.

CHLORTEX releases chlorine at a controlled rate to prevent fibre damage, and can be used at any stage of the washing sequence. For maximum effectiveness use CHLORTEX in the first rinse at 50°C for 5-6 minutes.

USE RATE - 20 gm/10 litres water.

STORAGE AND HANDLING - Store CHLORTEX in a cool, dry place and keep moisture away from powder. Do not mix with any other chemicals and do not smoke when handling CHLORTEX. Avoid contact with skin and eyes and avoid breathing dust.

FIRST AID - Wash any spillage from skin or eyes with copious quantities of cold water, and remove contaminated clothing. If swallowed, contact a doctor or Poisons Information Centre. Do not induce vomiting. Give plenty of water or milk.

CHLORTEX is not recommended for use on wool, silk or drip-dry, non-iron fabrics.

**SAFETY BLEACH - SYNTHETIC BLEACH POWDER**

Contains 7% minimum available boron.

SAFETY BLEACH is an oxygen releasing bleach and is designed especially for use with synthetic fibres. It also yields excellent results with rayon, wool and all coloureds.

Best results are obtained when SAFETY BLEACH is used in the first rinse following the detergent wash.

**USAGE - SAFETY BLEACH** works effectively at any temperature, and is used at half the rate of ERA in the particular wash cycle.

**STORAGE AND HANDLING** - Store in a cool, dry place. Do not mix with other chemicals. Avoid contact with skin and eyes and avoid breathing dust.

**FIRST AID** - If poisoning occurs contact a doctor or Poisons Information Centre. If swallowed induce vomiting - use IPECAC SYRUP if available.