

# Technical Bulletin

## Shift-Stone

### Hi-Active Acid Scale Remover

#### Product Description:

Shift- Stone is a nitric/phosphoric acid solution blended to maximise scale removal while minimising corrosion. The product has been formulated primarily for use in the dairy industry for the removal of milk-stone and whey deposits.

#### Application:

- Innovative Chemistry for Improved Soil Removal
- Enhances finished product quality and shelf life when used in a Castle professional CIP program.
- Maintains effectiveness even at high cleaning temperatures for superior cleaning.
- Rapidly penetrates and dissolves milk stone, mineral, and hard water scales.
- Low foam levels in CIP application to improve CIP cleaning efficiency.
- Saves Money - Saves Time
- Highly concentrated for use-cost effectiveness.
- Formulated specifically to handle tough, baked-on soils ordinary acid detergents cannot remove except at higher concentrations and in use cost.
- Works faster on tough soils, minimising the cleaning cycle needed in the CIP program.
- Environmentally Responsible - Application of Shift-Stone helps ensure reduced phosphorus levels while delivering cost effective cleaning performance.

#### Use Directions :

Following a suitable pre-rinse and alkali clean using an Castle alkali CIP detergent, use 0.15% to 0.6% v/v (1.5mL to 6mL per litre) Shift- Stone. Depending on the application, circulate for 10 to 30 minutes at ambient to 75°C. Circulation times, use concentration and temperature should be varied within the above guidelines as appropriate for the soil type, level and equipment to be cleaned. System should be post rinsed with potable water and sanitised with an appropriate Castle hard surface sanitiser.

#### Food Safety Statement/Fitness For Purpose:

With regard to the use of this product as a cleaner and / or sanitiser that may have incidental contact with food:

- 1) The raw materials / ingredients of this product are permitted as processing aids as listed under clause 12 of the Food Standard Code 1.3.3 (Food Standards Australia New Zealand FSANZ) or
- 2) An FFP - Fit For Purpose Statement is available for this product when used in an export meat facility.

When used in accordance with the directions described in this product technical bulletin, this product complies with these recognised food safety parameters.

**SHELF LIFE:** As a quality assured manufacturer, Castle Chemicals has a stringent Quality assurance programme. As part of this regime, the label on this product shows a batch number and date of manufacture. This product has a shelf life of 24 months from the label printed date of manufacture. This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Castle Chemicals assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of material.