



ESAR – ACID REPLACEMENT

ESAR is a natural acid replacement that provides powerful yet completely biodegradable all-purpose cleaning to remove tough water scale, soap scum, rust stains, grease, mildew and molds. Not only does it outperform typical acids including phosphoric, citric, hydroxy acetic, sulfamic and oxalis, it will save you money. 70% more effective than citric acid and glycolic acid and 50% more effective than phosphoric acid when used to dissolve calcium carbonate. **ESAR** provides fast removal of calcium, lime, rust, and other deposits typically found on metal surfaces. Unlike acids, it does not pit, streak or blacken metals.

BENEFITS OF ESAR:

- Organic salt that acts like an acid; pH & pK of less than 1.0
- Foaming action will allow for longer dwell time
- Replaces multiple acid blends
- Perfect fit in concentrated cleaners – has no solubility limits
- Phosphate free & contains no VOCs
- Excellent replacement for phosphoric and nitric acid

TYPICAL APPLICATIONS:

Kitchens: Floors, walls, grouting, stain less steel equipment, food preparation surfaces, steam tables, fish tanks, coffee makers, blenders, and other appliances

Housekeeping: Bathrooms to clean toilets, urinals, tile floors, walls, sinks faucets, tubs and showers

Processing Plants: Tile, floors, walls, grouting, and stainless-steel equipment

Rust Removal: Metal surfaces, concrete, toilets, urinals

Engineering: to remove hard water scale from heating, air conditioning equipment and humidifiers

General Maintenance: Cement sidewalks, terrazzo floors, patios, and around swimming pools

DIRECTIONS:

- Remove excess dirt and grime
- Dilute **ESAR** 1:30 with water
- For stubborn areas, make up a more concentrated solution
- Apply by brush, cloth
- Let **ESAR** sit for several minutes
- Scrub thoroughly when applicable and rinse with water.

SAFETY:

ESAR is produced in accordance with NOSB (National Organic Standards Board) guidelines. The materials used in the production process are derived from naturally occurring and sustainable sources and are consistent with organic principals and the National List of Allowed Substances. **ESAR** does NOT contain synthetic chemicals, animal components, and animal by products, manure or manure by-products. **ESAR** is environmentally safe and is not harmful to animals, plants and humans.

COMPLIANCE:

Fully complies with EPA Toxic Substance Control Act (TSCA) and the rules, orders and regulations promulgated there under including:

- a) Sections 4, 5, 6 & 7; Title 40 Chapter 1, 707.20 thru 707.75;
- b) 40 CFR Sections 704.3, 710.2(e) and 720.3(c); and
- c) Sections 5 and 13, reference 42FR64583
- d) Does not contain marine pollutants as defined in 49 CFR 171.8.

STORAGE & HANDLING:

Do NOT freeze. Store in a cool location away from direct sunlight - No special handling required

PACKAGING:

2Litre Jug

20 Litre (5 gallon) HDPE Pail

205 Litre (45 gallon) Barrel

1000 Litre Tote