

UFARYL[®] C4

LAS for excellent lime scale inhibition



Product Description

UFARYL[®] C4 is an anionic surfactant based on linear alkyl benzene sulphonate (LAS). The product is a free-flowing powder with excellent limescale inhibition and detergency. UFARYL[®] C4 is a high-active product without any phosphate content. The product is suitable for normal to hard water with excellent solubility properties.

Traditional LAS formulations often rely on phosphates for effective limescale inhibition. However, phosphate discharge into aquatic environments contributes to eutrophication, leading to algal blooms, oxygen depletion, and long-term ecological imbalance.

UFARYL[®] C4 delivers comparable limescale inhibition to phosphate-based products, ensuring optimal performance in cleaning applications. At the same time, it is phosphate-free and environmentally friendly, significantly reducing the risk of eutrophication in rivers and lakes.

Product Name	Chemical Composition	Active Content	Appearance
UFARYL [®] C4	Linear Sodium Alkylbenzene Sulphonate	82%	Ivory white, free flowing powder

Product Benefits

- High and rich foam and powerful cleaning properties
- Excellent limescale inhibition in hard water
- Good solubility even at lower temperatures
- Phosphate-free alternative for limescale inhibition
- LAS is readily biodegradable
- Available as EcoSmart, REDcert² approved.

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UFARYL[®] C4
inhibits up to **90%**
of **limescale**
formation*

Limescale Inhibition

Remarkable limescale inhibition with UFARYL[®] C4

UFARYL[®] C4 is the brand new UFARYL[®] product which effectively inhibits limescale formation in toilet care. According to the extensive laboratory testing, this new product has comparable limescale inhibition properties as phosphate-containing products. Figure 1 and Figure 2 presents limescale inhibition properties of UFARYL[®] C4, compared to other LAS-based surfactants.



Figure 1

Limescale inhibition on tiles that have been submerged in hard water (55°FH) (left), hard water (55°FH) with standard LAS (middle) and hard water (55°FH) with UFARYL[®] C4 (right).

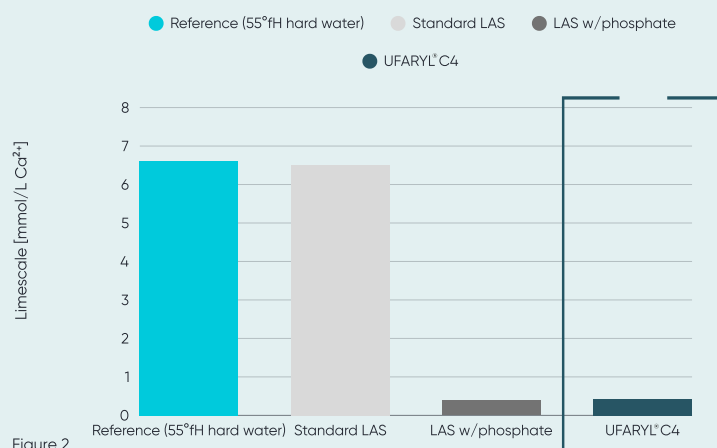


Figure 2

Packaging, Storage and Handling

UFARYL[®] C4 is shipped in 25 kg/18 bags or 600 kg and 800 kg big bag on pallet. UFARYL[®] C4 is hygroscopic, and will absorb humidity if exposed to open air. Store in room temperature. The stability of the product is 12 months in sealed package at recommended temperature.

For further details regarding handling, please see Safety Data Sheet.