

Britebleach SPC

Sodium percarbonate, coated Granules

CAS nr: 15630-89-4
Einecs nr: 239-707-6
EPA nr: 68660-8

Product information

Synonyms: sodium carbonate peroxyhydrate; sodium carbonate peroxide, $\text{Na}_2\text{CO}_3 \cdot 3\text{H}_2\text{O}_2$

Sodium percarbonate is a compound in solid form of sodium carbonate (soda) and hydrogen peroxide (H_2O_2). Just like the gaseous hydrogen peroxide which is applied in cleaning as aqueous solution, in water SPC emits active oxygen (**actively?**). This oxygen bleaches stains. SPC is the most important component in stain removing powders and to a lesser extent in washing powders for whites and dish washing tablets. It is also available in form of tablets (100% SPC as well as mixtures) as convenient dosage of pure or concentrated SPC, for example for the cleaning of plastic packaging material before re-use.

Britebleach SPC and Britebleach TAED are ECHA/BPR approved for use as a biocide in the European Economic Area and Switzerland (larger than the EU) for: human hygiene, animal hygiene, disinfection, food and animal feed, drinking water, product preservation, slime control.

The annex (page 3) of the Assessmentreport ECHA/BPC/124 on 'Peracetic acid generated from TAED and SPC' states that the manufacture of Britebleach TAED and Britebleach SPC are conform the reference specifications.

Product specifications

	Unit	Guaranteed
Appearance		White crystalline granules, free flowing
Odour		Odourless
Active Oxygen	%	min. 13.0 min. 12.5 for extra thick coating
Bulk Density	g/l	900-1200
Moisture	%	max. 1.0
pH, test 3%		10.0 - 11.0

[Change specifications](#)

Commercial

Packaging:

25kg bags, 500-1000-1100kg bigbags, in silotruck (bulk)

Lead time up to 10mt in Europa:

2 weeks(directly from stock)

Lead time from 10mt:

6 weeks

Technical

All Britebleach SPC particles are coated with a water-soluble layer. This makes the product stable in dry form. Only in contact with water the coating dissolves and the active oxygen comes available. It is important that particles maintain undamaged and do not emit SPC and oxygen before they are applied. SPC is available with several coating types:

- close-to-perfect spherical particles resulting in evenly distributed coating with uniform thickness; especially applicable for low attrition, for example when pressing of (dish washing) tablets; under pressure coatings are more prone to damage (active oxygen content minimum 13.0%)
- crystalline particles with standard coating at lower cost (active oxygen content still minimum 13.0%)
- spherical particles with extra thick coating (active oxygen content minimum 13.0%)

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