

UNITED STATES PATENT OFFICE

1,935,834

CLEANSING AGENTS

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No Drawing. Application July 25, 1930, Serial
No. 470,767, and in Germany April 23, 1930

2 Claims. (Cl. 87-5)

During recent years use has been made to an increasing extent of trisodium phosphate alone or in mixture with soda in a 2 to 5% aqueous solution, as cleansing and scavenging agent for industrial and domestic purposes, more especially when it is a question of the removal of greasy impurities. As is known however, these strongly alkaline salt solutions very readily attack metals such as aluminium, zinc and tin, and give off hydrogen. For some time therefore such products have not been willingly adopted in Germany for the purpose referred to.

Attempts have been made to find a universal cleansing agent, which allows of also cleaning articles made of these metals or metal parts, without affecting them at the same time. For this purpose it has already been proposed to treat trisodium phosphate-soda mixtures with water glass, but such mixtures have also not been entirely satisfactory.

It has been observed in an unforeseen manner

that an addition of aluminium sulphate, preferably in quantities of 15 to 20%, to trisodium phosphate or a mixture of trisodium phosphate and soda renders metals such as aluminium, zinc or tin practically unaffected by these alkaline salt solutions. Such a mixture thus represents a cleansing agent which is uniformly satisfactory for all purposes.

What I claim is:

1. A composition for cleaning articles made of aluminium, zinc and tin, consisting of trisodium phosphate, and, for the purpose of preventing corrosion of the metal article by the said phosphate, 15-20% of aluminium sulphate.

2. A composition for cleaning articles made of aluminium, zinc and tin, consisting of trisodium phosphate and sodium carbonate, and, for the purpose of preventing corrosion of the metal article by the said phosphate and carbonate, 15-20% of aluminium sulphate.

FRITZ DRAISBACH.

25	80
30	85
35	90
40	95
45	100
50	105
55	110