

TARGET

Aluminium safe



Is TARGET aluminium safe?

The short answer is yes

But what does it mean?

Alkaline detergents containing high concentrations of sodium hydroxide can often cause damage to soft metals, like aluminium. The main alkaline agent in Target is sodium metasilicate, which exhibits good detergency and offers effective corrosion inhibition in the presence of a low concentration of sodium hydroxide.

Target 4% v/v was tested for its suitability with aluminium using an adapted method of the UN 37.4 test method for corrosion. According to these guidelines, a substance is considered non-corrosive if it results in a mass loss of less than 13.50 % after 7 days of exposure.

The table below summarises the results.

Type of surface	Mass loss%	Corrosion rate mm/yr	Test result
Aluminium	0	0	Negative

As the mass loss was zero and below the threshold defined by the UN guidelines, **Target 4% v/v** is not corrosive when applied to aluminium surfaces. However, while the results show no corrosion, discolouration and dulling of the aluminium surface can occur after long-term exposure.

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