

TECHNICAL INFORMATION

NIHON CHEMTREX CO.,LTD

〒174-0043 13-39-1 SAKASHITA ITABASHI-KU TOKYO JAPAN

TEL:(03)3430-1139

Aldehyde for deodorant

Airlence F C – H301

■Feature

Airlence FC-H301 is an aldehyde-compatible deodorant with guanidine-based compound as the base and an amide-based compound as an auxiliary. The main application is to add to polyol and other resins and to spray on the substrate.

- 1) This deodorant is a guanidine-based compound as a main ingredient and it brings out excellent aldehyde deodorizing effect owing to synergistic effect with amide-based compound.
- 2) This deodorant is composed of components with relatively high heat resistance. Its heat resistant temperature is estimated at about 190 °C.
- 3) It is composed of a high safety component.

■Behavior

- ◇ Component : Guanidine-based compound, Amide-based compound, Trisodium citrate, Polyethylene glycol (PEG), Penetrant, Pure water
- ◇ Appearance : Pale clear liquid
- ◇ Odor : Slight odor
- ◇ pH : 2.0 ± 1.0 (25°C)
- ◇ Solid content : $20.5 \pm 1.0\%$

■Use

- : Add deodorant stock solution to resin as polyol.
Addition amount: 1~3% (Recommended value)
※It is set appropriately in consideration of the performance and liquid state.
- : Spray coating or dipping treatment of deodorant stock solution or diluted aqueous solution on base material.

■Deodorant performance : The deodorant performance results for acetaldehyde

1) Preparation of the specimen

The deodorizing agent is diluted to 30% with pure water and 50 μ l applied to the filter paper of 25cm², it will be the specimen which was dried for 2 minutes in a hot air of 120 °C.

2) Test method

Place the specimen in a glass container of 1L, further sealed after dropping a predetermined amount of the malodor solution of a predetermined concentration, measure the malodorous gas concentration after 1 hours at detector tube.

3) Test results

Specimen	Residual gas concentration (ppm)
	Acetaldehyde
Blank	140
FC-H300	23
FC-H301	18

■Fogging resistance : Confirmed by our simple test method.

Evaluation	H88	H88P
○△×	×	○
5~1	1	5