

# TECHNICAL INFORMATION

## NIHON CHEMTREX CO.,LTD

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

TEL:(03)3430-1139

Aldehyde for deodorant

### Aircence FC-H88P

#### ■Feature

Aircence FC-H88P is an improvement in fogging resistance of FC-H88. And, it is an aqueous solution containing guanidine-based compound as a main ingredient, amide-based compound and inorganic salt etc. It is a deodorant for aldehydes.

- 1) By combining the guanidine-based compound with an amide-based compound and an inorganic salt, this deodorant exhibits a synergistic effect plus a synergistic effect on each of them, resulting in an excellent aldehyde deodorizing effect.
- 2) Because it is composed of a relatively high heat resistance component, the normal levels of processing conditions, we have to maintain the performance.  
The heat resistance is about 190°C, which is equivalent to that of FC-H88.
- 3) It is composed of a high safety component.

#### ■Behavior

- ◇ Component : Guanidine-based compound, Amide-based compound, Inorganic salt  
Polyethylene glycol (PEG), Malic acid (pH regulator), Penetrant, Pure water
- ◇ Appearance : Pale clear liquid
- ◇ Odor : Slight odor
- ◇ pH :  $6.7 \pm 1.0$  (25°C)
- ◇ Solid content :  $22.1 \pm 1.0\%$

- Use : 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 is 50  $\mu$ l applied to the filter paper of 25cm<sup>2</sup>, 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 malodorous 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-H88	32
FC-H88P	34

- Fogging resistance : Confirmed by our simple test method.

Evaluation	H88	H88P
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