

# ITOFRESH TAF

DEODORIZER FOR TEXTILE



ITOFRESH TAF is new concept deodorizer for textile. Usually chemical absorption type deodorizers can work immediately but capacity of absorption is limited. Photo-catalyst type deodorizer is really expensive and works well and has unlimited capacity but only works under exposure to light.

ITOFRESH TAF has both effects such as unlimited capacity under light and quick response against not only odour but also VOC (Volatile organic compound)..

## PROPERTIES

- **Appearance** : Slightly yellowish white ~ white liquid
- **Ionic Character** : Anionic
- **pH** : 8.0±1.0
- **Solubility** : Easily soluble in water

## APPLICATION

### In Padding:

- **ITOFRESH TAF** : 20 g/l
- **Drying** : 110°C for 1 - 5 min.
- **Curing** : 170°C for 1 min

### In Exhaustion:

- **Set bath at 30°C with goods circulating @ a liquor ratio of 10:1**
- **Add 2% of Pre diluted ITOFIX EZF**
- **Raise to 50°C and run for 15 minutes**
- **Drain bath, fill and give a 2 minute rinse with cold water, then drain again**
- **Fill bath & raise to 50°C, add well dispersed 2% ITOFRESH TAF and run for 15 minutes**
- **Add well dispersed 5% of ITOBINDER AG (add softener as required)**
- **Run for a further 15 minutes, drain bath and unload**
- **Add softener as required in same or fresh bath.**
- **Run for a further 10 minutes if adding softener.**
- **Hydro extract goods**
- **Dry/Cure @ 170°C**

## CHARACTERISTICS

1. ITOFRESH TAF catches and neutralizes bad odours quickly by chemical absorption mechanism.
2. ITOFRESH TAF decompose bad odour by photo catalytic mechanism, so the deodorant effects will work continuously and eternally under existing moisture and air and light

## DISCLAIMER

The information herein offered is based on the best of our knowledge at present. However, we are not able to guarantee these matters, as the result of application may vary according to conditions adopted. Preliminary tests are, therefore, recommended in all cases. Please refer to MSDS regarding handling of the products.

### Note

- **ITOFRESH TAF is anionic, so should not be used together with cationic agents.**
- **It is necessary to test compatibility with other chemicals before use.**

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IMAGINATION INK<sup>™</sup>



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## APPENDIX

ITOFRESH TAF imparts excellent deodorant effects and in combination with binder, durable and excellent deodorant effects can be obtained.

### Treating conditions (Test on Polyester )

- **Pad :** 1dip 1 nip **wet-pick-up :** 70%
- **Dry :** 110°C x 1.5 min.
- **Cure :** 170°C x 1 min.

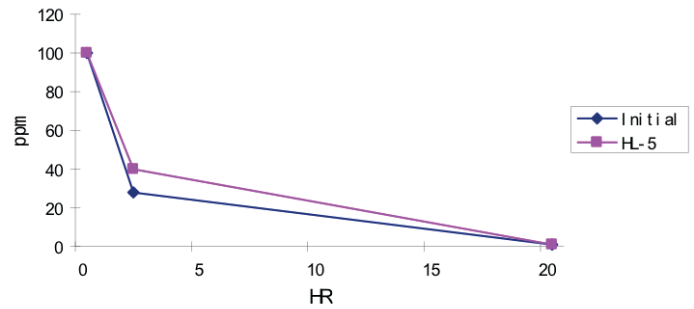
### Recipe

- **ITOFRESH TAF :** 2%
- **ITOBINDER AG :** 2%

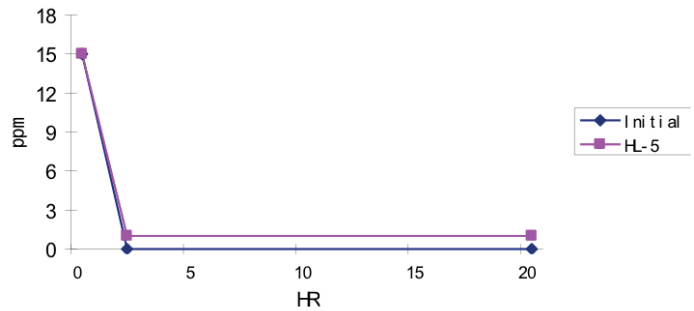
### Evaluations

Test cloth is packed in TEDORA-bag and the organic gas (odour component) is injected. It is then irradiated with black light and the concentration of gas is detected.

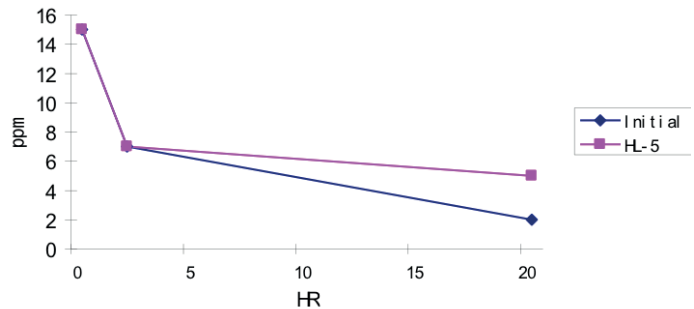
Ammonia



Formaldehyde



Toluene



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ITOFRESH TAF can deodorize the following smells and VOC

Odour	Sweat	Middle-aged People	Excretion	Tobacco	Garbage	VOC
Ammonia	o	o	o	o	o	
Tri-methyl-amine					o	
Pyridine				o		
Acetic acid	o	o	o	o		
Iso-valeric acid	o	o				
Hydrogen sulfide			o	o	o	
methyl mercaptan			o		o	
Acetaldehyde				o		o
Nonenal		o				
Formaldehyde						o
Toluene						o
Xylene						o
Styrene						o
Ethyl-benzene						o

### Caution

1. In case of use with other chemical, it is necessary to check compatibility prior to use. Especially amine, alkaline, oxidant substance may be absorbed by the deodorizer and may not show target effects.
2. The chemical that generates formaldehyde in process may not get enough effect by absorption of deodorizer.
3. Treatment by high concentration of ITOFRESH TAF may affect cloth strength or light fastness.
4. Hard water may cause flocculation in ITOFRESH TAF solution. Addition of Chelating agent is recommended.