



# Itoflame PSN Liq.

## Technical Data Sheet

### Introduction

Itoflame PSN Liq. is phosphate based finishing product with the purpose of increasing flame resistance of textiles made of synthetic and cellulose based fibers, especially cotton, PES, wool and their respective blends.

### 1. Features

- Itoflame PSN Liq. is high-quality flame-retardant chemical, containing inorganic phosphate salts and nitrogen, for textiles made of cotton, PES, wool or their blends.
- Itoflame PSN Liq.'s effect on cellulose based fibers can be seen even at lower usage rates.
- Itoflame PSN Liq. has a low washing-resistance and a high dry-cleaning resistance.
- Itoflame PSN Liq. can easily mix with any amount of water.
- Itoflame PSN Liq. does not have any negative effects on the color of the applied fabric.

### 2. Physical and Chemical Properties

<b>Appearance</b>	Liquid, clear
<b>pH (25°C)</b>	7.4
<b>Ionic Charge</b>	Weakly cationic
<b>Solubility</b>	Soluble in water
<b>Flash Point</b>	105°C
<b>Solid Content</b>	55 %

### 3. Application

Itoflame PSN Liq. is to be applied by padding method. Depending on the type of fiber and the expected effect recommended amount for process ranges between 300 – 500 g/l.



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## Recommended Usage:

### Cotton/PES (65% / 35%) for upholstery

300-500 g/l Itoflame PSN Liq. (60-80% wet pickup)

Standard processing conditions:

- Drying at 100-120°C for 1-3 min
- Curing at 160-170°C for 4-5 min

\* Depending on the amount used in the process a hardening effect on fabrics handle can be seen.

## 4. Precautions for use

- Itoflame PSN Liq. can be stored up to 12 months under temperatures over 0°C.
- Stir well before use.
- Use under adequate ventilation is recommended. It is not safe to breathe any vapor or mist.
- Wear protective equipment when handling. Avoid direct contact with eyes or skin.
- See Material Safety Data Sheet for more information on safe use.

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