



# Sarex Chemicals

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## PRODUCT LITERATURE

### FLAMGUARD-DPS.

#### Product Information

Flamguard-DPS. is durable flame retardant finishing chemical for 100% polyester and polyester rich blend. Flamguard-DPS. is halogen free. Fabric finished with Flamguard-DPS. shows minimum effect on shade and posses good fastness to home laundering and dry cleaning. Flamguard-DPS. does not have any effect on the drape of the treated fabric. Flamguard-DPS. has low volatility and does not lead to fogging. Flamguard-DPS. is suitable for protective work wear, furnishing fabrics, curtains and automotive textiles made from 100% polyester and polyester rich blend. It is applicable by padding and by spray method. They can be applied on polyester and polypropylene nonwoven fabrics also.

#### Key Features & Benefits

| Key Features | Benefits                                    |
|--------------|---|
| -----        | -----                                       |
| Durable      | Durable to home laundering and dry cleaning |
| Feel         | Handle of fabric not impaired               |

#### General Characteristics

|                     |   |
|---------------------|---|
| Physical appearance | : Colourless clear liquid                                 |
| Ionic nature        | : Nonionic  |
| pH of 1% solution   | : 3.5 +/-1  |
| Miscibility         | : Miscible with water                                     |
| Compatibility       | : Compatible with cationic, anionic and nonionic products |
| Stability           | : Stable to dilute acids and dilute alkalies              |

#### Application

Before finishing with Flamguard-DPS., ensure that residues from earlier treatment such as lubricants, surfactants, softeners, dyeing chemicals etc. are thoroughly removed by efficient washing otherwise these could interfere with performance of Flamguard-DPS.

|                |                      |
|----------------|----------------------|
| Flamguard-DPS. | : 60-160 g/l         |
| IPA            | : 1-2 g/l (optional) |
| Pick-up        | : 40-70%             |



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Drying : 120-130 deg.C for 2 min  
Thermofix : 160-170 deg.C, 3 min. or 190-210 deg.C, 30-60 sec.

- Ensure that the padding temperature does not exceed 30 deg.C
- The add-on with Flamguard-DPS. should be 14-15%

Flamguard-DPS. can pass following tests.

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1. BS-3119 (1959) & BS-3120 Vertical flame test for flame proof materials
  2. BS-5867 & DOC FF 3/71

### Precautions

Storage : Store in cool, ventilated shed away from heat and direct sunlight. Storage temperature should not exceed 35 deg C. Close lids firmly to avoid contact with air and moisture.

Shelf Life : 9 months from the date of manufacturing, if stored under controlled conditions.

[The above information is given in good faith and is without warranty]  
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