

# KOLARY™ 9031 Fluorine-Free Water and Oil Repellent

## INTRODUCTION

KOLARY™ 9031 is a fluorine-free water and oil repellent designed for synthetic fabrics. It delivers excellent water-repellent performance and is resistant to salts and anionic substances. Free from APEO, PFOA, and PFOS, it is suitable for general-purpose textile finishing. When used in combination with crosslinking agents, it provides enhanced wash durability.

## BENEFITS / EFFECTS

- APEO, PFOA and PFOS free
- Excellent water and oil repellency on synthetic and blended fabrics
- Good resistance to salts and anionic substances
- Compatible with various textile auxiliaries
- Enhanced wash durability when used with crosslinkers
- Easy to dilute and apply using standard padding equipment

## PHYSICAL PROPERTIES

Appearance	White emulsion
Main Components	High molecular polymer
Ionic Type	Weakly cationic
PH Value	Weak acidity
Solubility	Dilutable with cold water at any ratio

## APPLICATIONS

KOLARY™ 9031 is suitable for fluorine-free water and oil repellent finishing on a wide range of synthetic and blended fabrics. It is particularly recommended for use on nylon taffeta, polyester pongee, polyester taffeta, knitted polyester, and cotton knits. Typical end-use applications include outdoor apparel, sportswear, casual wear, bags, and other textiles requiring eco-friendly water-repellent performance.

## USAGE GUIDELINES

**Recommended Process:** Padding

**Typical Conditions:**

- Padding pressure: 3.0 kg/cm<sup>2</sup>
- Heat setting: 150-170 °C for 40×90 seconds
- Evaluation: AATCC 22 (Water repellency)

Application Reference:

Fabric	Dosage g/L	KOLARY™ 9031
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## KOLARY™ 9031 *Fluorine-Free Water and Oil Repellent*

Nylon Taffeta	10	90
Polyester Pongee	10	90
Polyester Taffeta	12	90
Polyester Knitted Fabric	14	90
Cotton Knitted Fabric	30	90

### USAGE GUIDELINES

- May darken fabric; pre-check for shade change.
- Compatible with antistatics, softeners, and penetrants — pretest for repellency impact.
- Dilute using water below 40 °C; working bath temperature should not exceed 40 °C.
- Tap water is acceptable, but acidic or alkaline conditions may affect performance.
- Use prepared working solution promptly; avoid overnight storage.
- Ensure fabric is well-washed to minimize residual hydrophilic/ionic substances.

### PACKING

KOLARY™ 9031 is available in 125Kg/200Kg Drum.

### STORAGE

KOLARY™ 9031 has a shelf life of 12 months when stored in its unopened original container in a dry and cool place. Please use it as soon as it is prepared and avoid using it the next day. Avoid contact with strong acids or strong bases, as it will affect the waterproof and oil-resistant properties.

### HANDLING

This document does not contain the product safety information required for safe use. Before handling, please refer to the product and safety data sheets, as well as container labels, for information on safe usage, physical hazards, and health risks. Safety Data Sheet is available on the website, from the distributor, or by contacting SINOPCC customer service.

### NOTE

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

## **KOLARY™ 9031** *Fluorine-Free Water and Oil Repellent*

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