

## Isoguard HCN

Isoguard HCN non-fluorinated repellent for advanced water repellency on textiles.

### Material Definition

**Appearance:** Off-white to pale yellow emulsion

**pH value:** 2.1 - 5.0

**Solid content:** 29.0 - 31.0 %

**Charge:** Cationic

**Density @23°C:** Approx. 1.0 - 1.0 g/cm<sup>3</sup>

### Applications

Isoguard HCN is fluorine-free and contains a solid content of 30%. It is designed to bestow exceptional water repellency across all fabric substrates. When combined with a booster, it ensures added durability against both washing and dry cleaning. Additionally, it's tailored for exhaust applications and boasts high efficiency even under low-temperature drying and curing conditions. Remarkably, it has demonstrated excellent performance in Bundesmann tests, underlining its premium quality. Beyond its functional advantages, the product offers stellar processability, ensuring seamless integration into various manufacturing procedures.

#### Standard Application / DWR

<b>Substrate</b>	<b>Concentration</b>	<b>Curing conditions</b>
Cotton and its blends	10 - 100 g/l Isoguard HCN for DWR, add cross-linker	160 - 180° C, 60 - 120 sec., depending on the material
Synthetics and their blends	10 - 100 g/l Isoguard HCN for DWR, add cross-linker if necessary	
Synthetics (Bundesmann)	80 - 120 g/l Isoguard HCN, 20 - 40 g/l Cross-linker	

---

## Storage

The optimum storage and handling temperature range is 5 °C to 30 °C. The product must be protected from heat and frost in order to maintain viability. Containers must not be re-stocked after they have been opened. Properly stored, Isoguard HCN is stable for at least 18 months after the shipment has left our warehouse.

## Packaging

Isoguard HCN is available in IBCs (1000kg each) and drums (200kg each). MoQ are 2 pallets with 8 drums or 1 IBC.

## Regulatory Information

**EU REACH registered:** Not applicable

## Availability

- Americas (United States, Canada, South America)
- APAC (Asia-Pacific)
- ANZ (Australia, New Zealand)
- EU (European Union)
- PRC (People's Republic of China)
- UK (United Kingdom)

## Disclaimer / Conditions

Revision: 2023-10-11 / 7d70



We strive to be accurate in all of our documentation. However, any information or advice is provided by us in good faith, without warranty or unlimited claim of fitness for a specific application. We sell to qualified industrial users only. The onus is on the product's user to research carefully and then to continually test the product and its application procedures within the context of its specific use. Use of our products and data requires diligence and care, and is within the sole responsibility of the user. Kautschuk-Group does not accept any liability for damages incurred. Our general [Terms and Conditions \(/info/toc\)](#) apply.

Stated storage and shelf life times are minimum guaranteed values for a period starting on the day of shipment. After this period has expired, the product requires additional quality control testing but may very well still be within specification. For more information, refer to our [Shelf Life Policy](#)

[\(/info/shelflife\)](#).

For updates on product information, please check this web page regularly:

<https://kautschuk.com/products/textile/isoguard-hcn>

<https://kautschuk.com/products/textile/isoguard-hcn>

This page is also available in: **Deutsch**

**<https://de.kautschuk.com/products/textile/isoguard-hcn>**, **Español**

**<https://es.kautschuk.com/products/textile/isoguard-hcn>**, **Français**

**<https://fr.kautschuk.com/products/textile/isoguard-hcn>**, 简体中文

**<https://cn.kautschuk.com/products/textile/isoguard-hcn>**, **Italiano**

**<https://it.kautschuk.com/products/textile/isoguard-hcn>**, **Türkçe**

**<https://tr.kautschuk.com/products/textile/isoguard-hcn>**, 日本語

**<https://jp.kautschuk.com/products/textile/isoguard-hcn>**.

© 2001-2024 **Kautschuk Group** · Isochem Limited · 340 Queen's Road,  
Central, · Hong Kong, SAR

For inquiries, contact: **[info@kautschuk.com](mailto:info@kautschuk.com)** (**<mailto:info@kautschuk.com>**)

**[Status \(/status\)](#)** · **[Policies \(/info\)](#)** · **[Privacy \(/info/privacy\)](#)** · **[Terms \(/info/toc\)](#)** · **[Imprint \(/info/imprint\)](#)**