

## **VARIOHAZE** Technical Information

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### **VARIOHAZE 8105 Haze Remover Gel, contains chlorine**

#### Properties

**VARIOHAZE 8105** is a high efficient haze removing gel with alkaline reaction. It contains hypochlorite (bleaching active chlorine) and no complexing compounds. The viscosity guarantees an overall uniform mesh coating with excellent wettability.

**VARIOHAZE 8105** is excellently suitable for removing of diazo residues and other typical ghost images, like stencil- and ink stains from polyester and polyamide (nylon) fabric. For treatment of stainless steel wire cloths and metallized mesh is the gel not suitable.

The content of bleaching chlorine causes a perfect mesh discolouration and regeneration and prevents particularly deterioration of printing quality and stencil adhesion problems.

The alkaline gel is corrosive and oxidizing and for industrial use only. Do not mix it with acids and other organic materials.

Working and health safety related data, as well as details regarding environmental impacts can be obtained from respective Material Safety Data Sheet according to guidelines 1907/2006/EC.

#### Application

The application of **VARIOHAZE 8105** is normally carried out after screen decoating preferably by chemical resistant (stainless steel) coating trough or a soft brush. Apply sparingly the haze remover gel to both sides of a preferably dry, stained screen with a thin and uniform film.

It is not allowed to apply **VARIOHAZE 8105** in wash-out booths with direct access to sanitary sewage in order to avoid bacteriocidal active chlorine in the waste water. Therefore it is necessary to clean the application tools (coating trough or brush) dry by a cleaning cloth and not washed out by water. The contaminated clothes have to be disposed in a proper way.

It is recommendable to prepare the screens in a well ventilated working area. The flooring must be so designed that the gel substances cannot permeate the floor, otherwise chemical resistant collectors (preferably plastic) must be provided by the national laws and regulations for environmental protection (handling of water-hazardous substances).

During the application of **VARIOHAZE 8105** make sure, that

- no extreme thick chemical bulge can occur at the edge of the coating trough,
- no gel flows into the groove between frame leg and mesh adhesive.

#### Drying – Handling

The gel coated screen printing form has to be stored at room temperature (max. 25- 30°C), until **VARIOHAZE 8105** is dried up completely (crystallization), usually over night. During the reaction time, the degradation and conversion of the active chlorine occurs.

A drying acceleration by means of cold and warm air supply, through blow air and/or draft must be avoided absolutely. In addition, temperatures of about 30 - 35°C can damage the fabric.

Furthermore attention has to be found that air humidity doesn't drop below 30% relative moisture content in the working room.



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Under circumstances the proper application of **VARIOHAZE 8105** also can cause cut off mesh, during the drying phase, if very thin polyester fabric (thread thickness  $<35 \mu\text{m}$ ) and/or already strong mechanically and chemically attacked fabrics are used. In case of this production specific mesh damages, we can not undertake any liability or pay for damages.

If you have further questions to this matter, please contact our laboratory or our technical service team.

After drying time, rinse the screen from bottom to the top with high-pressure water in a well ventilated and chemical resistant wash-out booth.

For best results, it can be necessary to prepare the dried mesh with a biodegradable and water emulsifying ink solubilizer, like **VARIOCLEAN S 4306** o. ä. before high pressure water spray. Apply the activator onto both sides of the stained area. After a short dwell time spray the screen from bottom to the top with high pressure water. This additional treatment optimize the effectiveness of **VARIOHAZE 8105**, if are obstinate organic residues of emulsion and/or ink on the mesh surface.

### **Ecological Behaviour**

**VARIOHAZE 8105** contains bleaching active chlorine and can create toxic adsorbent organic halogens (AOX). Therefore it is not allowed to discharge the gel direct or in wet form and without previous treatment into the sanitary sewage.

It is absolutely necessary, that before water rinse the gel has to be dried completely (crystallization). For waste water discharging the national and also the local regulations need to be taken account of.

### **Packaging – Storage**

**VARIOHAZE 8105** is packaged in standard 1, 5 and 20 L plastic cans. Store product in a dry, frost-free area and do not expose to direct sun light. If stored at ambient temperature and in air-tight closed cans, the haze remover has a shelf life of max. 9 months without quality deterioration and loss of significant effectiveness.

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