



## DOWSIL™ R-40 Universal Cleaner

DOWSIL™ R-40 Universal Cleaner is a specially formulated solvent blend designed to clean a large range of substrates used in bonding applications such as structural glazing, insulating glass systems, windows and doors and other applications.

### Features & Benefits

- Cleaning solvent
- Easy to apply
- Ready to use
- Transparent
- Quick evaporation

### Applications

- Cleaning of most common surfaces such as glass, metal profiles, plastics and other non-porous substrates.

### Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Property	Unit	Result
Color		Colorless
Specific Gravity at 23°C		0.79
Viscosity at 23°C	cSt	2
Usable life	years	4

### Description

DOWSIL™ R-40 Universal Cleaner is a specially formulated solvent blend designed to clean non-porous substrates.

### How to Use

Good surface cleaning is the precondition for durable bonding applications. A diligent and thorough procedure is so required to ensure that substrates are properly cleaned prior to sealant application.

We recommend to use DOWSIL™ R-40 Universal Cleaner according the following 2-cloth cleaning method. This procedure should be followed for every application.

## **Two-cloth Cleaning Method**

The “two-cloth cleaning method” is a proven technique to clean non-porous surfaces. The use of one cloth to clean a substrate is not a recommended procedure and is not as effective as two cloths. Clean, soft, absorbent, lint-free cloths must be used. This method consists of cleaning the substrate with a solvent saturated cloth followed by a drying wipe with a separate clean cloth. Following is the procedure described in greater detail:

1. Thoroughly clean all surfaces by brushing away any loose materials.
2. Pour a small quantity of cleaning solvent into a buffer container. Do not apply solvent from the original container.
3. Wipe the joint surfaces with sufficient force to remove dirt and contaminants.
4. Immediately wipe dry the solvent wet surface of the substrate with a separate clean, dry cloth. The second cloth must wipe the substrate before the solvent has evaporated. Visually inspect the cloth to determine if contaminants were effectively removed. If the cloth remains dirty, repeat step 3 with a new cloth until this cloth remains white and/or clean.
5. Allow the cleaner to dry until all the solvent evaporates. This typically takes 5 to 30 minutes depending on room temperature and humidity.
6. Apply silicone sealant from Dow latest 4 hours after the cleaning operation.

## **Handling Precautions**

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

## **Usable Life and Storage**

Containers should be kept tightly sealed when not in use. This material must be stored in a warehouse suitable for flammable materials.

When stored between 5°C and 30°C in the original unopened containers, this product has a usable life of 4 years from the date of production.

## **Packaging Information**

DOWSIL™ R-40 Universal Cleaner is available in standard industrial container sizes.

## **Limitations**

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

## **Health and Environmental Information**

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, [dow.com](http://dow.com) or consult your local Dow representative.

## **Disposal Considerations**

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

## **Product Stewardship**

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

## **Customer Notice**

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

dow.com

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