



## Description

The 8301 *Pre-saturated Cleaning Cards* is designed to easily clean concealed magnetic, photo, and optic sensors of different types of reader mechanisms. The card is good at dissolving dirt, light organic contaminants, and ionic flux residues. Since the 8301 is highly anhydrous (without water) and hygroscopic (absorbs humidity), it readily scavenges water off surfaces and helps to dehumidify surfaces.

## Applications & Usages

Since the 8301 is safe for most plastics, seals, ceramics, and printed circuit board components; it is used heavily in electronics card readers. It is quick drying relative to water.

## Features and Benefits

- **For all credit card readers**
- **Sealed individual packaging**
- **Anhydrous solvent—Removes water and humidity from components leaving them dry**
- **Less than 0.001 g/100 mL non-volatile residues**
- **Excellent "Green Solvent" scores**
- **Safe for aqueous environments**
- **Low toxicity**
- **2 1/8" x 3 3/8" card size**

**ATTENTION!**  
Do NOT use on computer monitors, tablet screens, or eyeglasses. This solvent is too powerful for the coatings used on these devices.

**ATTENTION! Consumer Product VOC Prohibition**  
Prohibited for residential and institutional use in California and other states (IL, IN, MI, OH, CT, DE, ME, MD, MA, NH, NJ, NY, PA, RI, VT, VA, DC, UT). Not for retail sale.

## Usage Parameters

<i>Properties</i>	<i>Value</i>
Shelf Life @22 °C [72 °F]	3 y

## Temperature Ranges

<i>Properties</i>	<i>Value</i>
Storage Temperature Limits <sup>a)</sup>	-20 to 40 °C [-4 to 104 °F]

a) Store in cool, dry, and well ventilated area.

## Properties

<i>General Properties</i>	<i>Method</i>	<i>Value</i>
Odor	—	Mild alcohol
Appearance	ASTM D 4176	Clear, free from sediment, and suspended matter
Color	Visual	Colorless
Refractive Index @20 °C [68 °F]	ASTM D 1218	1.37
Evaporation Rate	Literature	2.9 (ButAc =1)
Heat Capacity	"	11 400 kJ/m [0.612 BTU·in/h·ft <sup>2</sup> ·°F]
Viscosity	"	3.4 cP
<i>Physical Property</i>	<i>Method</i>	<i>Value</i>
Purity	Gas chromatography	>99.8%
Water (w/w)	ASTM D 1364	≤0.10%
Color (Pt-Co scale)	ASTM D 1209	≤5
Acidity (% of acetic acid)	ASTM D 1613	≤0.001
Density @20 °C [68 °F]	ASTM D 4052	0.785—0.786 g/mL
Specific Gravity @20 °C / 20 °C	ASTM D 4052	0.785—0.787 g/mL
Dilution Range	ASTM D 1078	
Initial Boiling Point	"	≥81.8 °C
Dry Point	"	≥82.8 °C
Nonvolatile Matter	ASTM D 1353	≤0.001 g/100 mL
Water Miscibility	ASTM D 1772	Clear and miscible
<i>Safety Properties</i>	<i>Method</i>	<i>Value</i>
Flammability	Literature	Highly flammable liquid and vapor
Flash Point	"	12 °C [54 °F]
Boiling Point	"	82 °C [180 °F]
Auto-Ignition	"	425 °C [797 °F]
Volatile Organic Compound (VOC)	"	100%
<i>Environmental Properties</i>	<i>Method</i>	<i>Value</i>
Toxicity for Aqueous Environment	Literature	Very low toxicity
Biodegradation	"	Readily biodegradable

## Health, Safety, and Environmental Awareness

Please see the 8301 **Safety Data Sheet** (SDS) for more details on transportation, storage, handling and other security guidelines.

**Environmental Impact:** The 8301 has a regulated volatile organic compound (VOC) content of 100% (785 g/L). Avoid runoff into storm and sewer drains. This product is biodegradable.

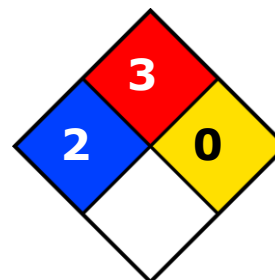
**Health and Safety:** Isopropyl alcohol wipe is flammable and shouldn't be used in the presence of open flames or other ignition source. Avoid prolonged breathing of vapors. Use with adequate ventilation.

**NOTE:** This product is not intended as a disinfectant for humans or animals. It was not treated to remove possible fungal spores or rare alcohol-resistant bacterial strains. Further, high purity anhydrous IPA is not an effective disinfectant.

### HMIS® RATING

<b>HEALTH:</b>	<b>2</b>
<b>FLAMMABILITY:</b>	<b>3</b>
<b>PHYSICAL HAZARD:</b>	<b>0</b>
<b>PERSONAL PROTECTION:</b>	

### NFPA® 704 CODES



*Approximate HMIS and NFPA Risk Ratings Legend:*

0 (Low or none); 1 (Slight); 2 (Moderate); 3 (Serious); 4 (Severe)

## Packaging and Supporting Products

<i>Cat. No.</i>	<i>Packaging</i>	<i>Packaging Weight</i>	
<b>8301-50</b>	Pre-saturated cards	385 g <sup>a)</sup>	0.85 lb

a) Pack of 50



ISO 9001 Registered Quality System.  
Burlington, Ontario, Canada QMI File # 004008

# Pre-Saturated Cleaning Cards For Card Readers 8301 Technical Data Sheet

8301

## Technical Support

Contact us regarding any questions, improvement suggestions, or problems with this product. Application notes, instructions, and FAQs are located at [www.mgchemicals.com](http://www.mgchemicals.com).

Email: [support@mgchemicals.com](mailto:support@mgchemicals.com)

Phone: +(1) 800-340-0772 (Canada, Mexico & USA)

+ (1) 905-331-1396 (International)

Fax: +(1) 905-331-2862 or +(1) 800-340-0773

Mailing address: **Manufacturing & Support**  
1210 Corporate Drive  
Burlington, Ontario, Canada  
L7L 5R6

**Head Office**  
9347-193rd Street  
Surrey, British Columbia, Canada  
V4N 4E7

## Warranty

*M.G. Chemicals Ltd.* warrants this product for 12 months from the date of purchase by the end user. *M.G. Chemicals Ltd.* makes no claims as to shelf life of this product for the warranty. The liability of *M.G. Chemicals Ltd.* whether based on its warranty, contracts, or otherwise shall in no case include incidental or consequential damage.

## Disclaimer

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. *M.G. Chemicals Ltd.* does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.