

PRESATURATED CLEANING CARD

8301

# Safety Data Sheet

## Section 1: Product and Company Identification

### Product Identifier and Other Means of Identification

**Product Name:** Presaturated Cleaning Card**SDS Code:** 8301**Related Part #** 8301-50

### Recommended Use and Restriction on Use

**Use:** Cleaning card for magnetic card readers**Uses Advised Against:** Not for use on monitor screens or glass with anti-glare coatings

### Details of Manufacturer or Importer

**Manufacturer**MG Chemicals  
1210 Corporate Drive  
Burlington, Ontario L7L 5R6  
CANADAMG Chemicals (Head Office)  
9347-193 Street  
Surrey, British Columbia V4N 4E7  
CANADA**☎** +1-800-340-0772**☎** +1-905-331-1396**FAX** +1-800-340-0773**FAX** +1-905-331-2682**E-MAIL** [support@mgchemicals.com](mailto:support@mgchemicals.com)**E-MAIL** [info@mgchemicals.com](mailto:info@mgchemicals.com)**WEB** [www.mgchemicals.com](http://www.mgchemicals.com)**E-MAIL** (Competent Person): [sds@mgchemicals.com](mailto:sds@mgchemicals.com)

### Emergency Phone Number

**For hazardous material incidents ONLY**—leaks, spills, fires, exposures or accidents  
USA or CANADA: Call CHEMTREC ☎: **+1-800-424-9300****For emergencies involving dangerous goods;** Collect 24/7  
CANADA: Call CANUTEC ☎: **+1-613-996-6666** or **\*666** on cellular phones

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**Section 2: Hazards Identification**

**Classification of Hazardous Chemical**

**GHS Categories**

Criteria	Category	Signal Word	Pictograms
Flammable Liquid	2	Danger	Flame
Eye irritation Specific Target Organ Toxicity Single Exposure	2A 3	Warning Warning	Exclamation Exclamation

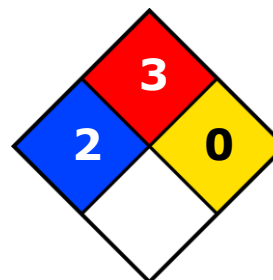
*Note:* The degree of severity is ranked within each hazard class from 1 (Highest Severity) to up to 5 (Lowest Severity). Severity categories rankings do not allow comparisons between classes.

**Other Classifications**

**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)

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**Label Elements**

<b>Signal Word</b>	<b>DANGER</b>
<b>Pictograms</b>	<b>Hazard Statements</b>
	H225: Highly flammable liquid and vapor
	H319: Causes serious eye irritation H336: May cause drowsiness and dizziness
<b>Prevention</b>	<b>Precautionary Statements</b>
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P264	Wash hands thoroughly after handling.
P261	Avoid breathing vapors.
P280	Wear protective gloves.
P271	Use only outdoors or in well ventilated area.
<b>Response</b>	<b>Precautionary Statements</b>
P370 + P378	In case of fire: Use dry chemical, carbon dioxide, chemical foam, or water spray to extinguish.
P302 + P353	IF ON SKIN: Rinse skin with water.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P304 + P340 + P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE/doctor if you feel unwell.
<b>Storage</b>	<b>Precautionary Statements</b>
P403 + P235	Store in well ventilated place. Keep cool.
<b>Disposal</b>	<b>Precautionary Statements</b>
P501	Dispose of contents/container in accordance to local/regional/international regulations.

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**Other Hazards**

Other Criteria	Hazard Statements/Precautionary Statement	Signal Word	Pictograms
Defats skin	Repeated exposure may cause skin dryness or cracking.	None	None

**Section 3: Hazardous Ingredients**

CAS #	Chemical Name	%(weight)
67-63-0	propan-2-ol <sup>a)</sup>	>99%

a) Commonly known as isopropyl alcohol (IPA)

**Section 4: First-Aid Measures**

<i>Exposure Condition</i>	<i>GHS Code: Precautionary Statement</i>
<b>IF IN EYES</b>	P305 + P351 + P338, P337 + P313
<b>Immediate Symptoms</b>	<i>irritation, tearing, redness, pain</i>
<b>Response</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>If eye irritation persists</b>	Get medical advice/attention.
<b>IF ON SKIN (or hair)</b>	P302 + P353
<b>Immediate Symptoms</b>	<i>dry skin, redness</i>
<b>Response</b>	Rinse skin with water.
<b>IF INHALED</b>	P304 + P340 + P312
<b>Immediate Symptoms</b>	<i>cough, dizziness, drowsiness, headaches, weakness, unconsciousness</i>
<b>Response</b>	Remove person to fresh air (out of the contaminated zone) and keep comfortable for breathing.
<b>If feeling unwell</b>	Call a POISON CENTRE/doctor.

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**PRESATURATED CLEANING CARD****8301****IF SWALLOWED** P301 + P330 + P331**Immediate Symptoms** *nausea, headaches, dizziness, weakness, unconsciousness***Response** Rinse mouth.  
Do NOT induce vomiting.**Section 5: Fire-Fighting Measures****In case of fire** P370 + P378**Response** Use dry chemical, carbon dioxide, water fog, or chemical foam to extinguish. Use water spray to cool containers.**Specific Hazards** Vapors may accumulate in low-lying areas. They can cause flash fire or ignite explosively. In extreme firefighting conditions, this product may form a floating fire hazard.**Combustion Products** Produces carbon oxides (CO, CO<sub>2</sub>)**Fire-Fighter** Wear self-contained breathing apparatus and full fire-fighting turn-out gear.**Section 6: Accidental Release Measures****Personal Protection** See Section 8. Avoid breathing the mist/vapors.**Precautions for Response** Remove all sources of ignition.**Environmental Precautions** Not applicable**Containment** Not applicable**Cleaning** Collect wipes in a sealable, solvent-resistant container.**Disposal Methods** Dispose of spill waste according to Section 13.

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**Section 7: Handling and Storage**

- Prevention**      Keep out of reach of children.  
                           Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
                           Avoid breathing vapors. Use only outdoors or in a well-ventilated area.
- Handling**        Wear protective gloves.  
                           Wash hands thoroughly after handling.
- Storage**           Store in a well-ventilated area. Keep cool.  
                           **RECOMMENDATION:** Keep in a dry and clean area, away from incompatible substances.

**Section 8: Exposure Controls/Personal Protection**

**Routes of Entry**

Eye contact, Ingestion, Inhalation, and Skin contact

**Substances with Occupational Exposure Limit Values**

Chemical Name	Country	Long Term Exposure Limits (PEL)	Short Term Exposure Limits (STEL)
propan-2-ol	ACGIH	200 ppm (TWA)	400 ppm
	U.S.A. OSHA PEL	400 ppm	Not established
	Canada AB	200 ppm	400 ppm
	Canada BC	200 ppm	400 ppm
	Canada ON	200 ppm	400 ppm
	Canada QC	400 ppm	500 ppm

*Note:* Ingredients are listed in descending weight contribution order (from greatest to least). The ACGIH<sup>1</sup>, OSHA, and Canadian provinces exposure limits were consulted. Limits from by RTECS database<sup>2</sup> of the Canadian Centre for Occupational Health and Safety (CCOHS) a data from suppliers' SDS were also consulted. Short term exposure limits (STEL) are usually for 15 min and long term permissible exposure limits (PEL) for 8 h.

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**PRESATURATED CLEANING CARD****8301****Engineering Controls**

**Ventilation** Keep airborne concentrations below exposure limits.

**Personal Protective Equipment**

**Eye protection** Wear appropriate protective eyeglasses or chemical safety goggles.  
**RECOMMENDATION:** Use safety glasses with lateral protection (side shields).

**Skin Protection** Wear appropriate protective clothing to prevent skin contact.  
**RECOMMENDATION:** Use of protective gloves in butyl rubber, nitrile rubber, or other chemically resistant gloves.

**Respiratory Protection** For over-exposures up to 10 x OEL of mist/vapors/spray, wear respirator such as a half-mask respirator with organic vapor cartridges.  
Above 10 x OEL, use a positive-pressure, air-supplied respirator or a self-contained breathing apparatus.  
**RECOMMENDATION:** Consult your local safety supply store to ensure your respirator has filter cartridges appropriate for the ingredients listed in section 3 of this MSDS, and that the respirator is fitted to the employee by a professional. Ensure vapor cartridges are stored in sealed plastic bags when not being used.

**General Hygiene Considerations**

Wash hands thoroughly with water and soap after handling.

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**Section 9: Physical and Chemical Properties**

<b>Physical State</b>	Liquid, in solid mixture	<b>Lower Flammability Limit</b>	2%
<b>Appearance</b>	Colorless	<b>Upper Flammability Limit</b>	12%
<b>Odor</b>	Alcohol like	<b>Vapor Pressure @20 °C</b>	4.2 kPa [32 mmHg]
<b>Odor Threshold</b>	0.44 ppm	<b>Vapor Density</b>	2.1 (Air = 1)
<b>pH</b>	Not available	<b>Specific Gravity @25 °C</b>	0.785
<b>Freezing/Melting Point</b>	-88 °C [-126 °F]	<b>Solubility in Water</b>	Fully miscible
<b>Boiling Point</b>	≥81.8 °C [≥179 °F]	<b>Partition Coefficient</b>	Not available
<b>Flash Point <sup>a)</sup></b>	12 °C [54 °F]	<b>Auto-ignition Temperature</b>	425 °C [797 °F]
<b>Evaporation Rate</b>	1.5 (ButAc = 1)	<b>Decomposition Temperature</b>	Not available
<b>Flammability (solid, gas)</b>	Not available	<b>Viscosity @20 °C</b>	2.4 mPa·s [3.1 mm <sup>2</sup> /s]

a) Tag closed cup value

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	At elevated temperatures, may react with aluminum and generate hydrogen gas.
<b>Chemical Stability</b>	Chemically stable at normal temperatures and pressures
<b>Conditions to Avoid</b>	Ignition sources, excessive heat, and incompatible substances. Vapors may form explosive mixture with air.
<b>Incompatibilities</b>	Strong oxidizing agents, strong acids, strong bases, halogenated compounds, aluminum at temperatures ≥ 49 °C [ >120 °F]
<b>Polymerization</b>	Will not occur
<b>Decomposition</b>	Will not decompose under normal conditions. For thermal decomposition, see combustion products in Section 5



**PRESATURATED CLEANING CARD****8301****Section 11: Toxicological Information****Routes of Exposure**

Eye Contact, Skin contact, Inhalation, and Ingestion,

**Symptoms Summary**

<b>Eyes</b>	Causes serious eye irritation, tearing, redness or pain.
<b>Skin</b>	Causes dry skin and redness.
<b>Inhalation</b>	May cause drowsiness or dizziness. Excessive exposure may cause narcotic effects, weakness, headaches, and unconsciousness.
<b>Ingestion</b>	May be harmful if swallowed. See inhalation symptoms.
<b>Chronic</b>	Prolonged or repeated exposure may defat skin and cause skin dryness and cracking, and local redness and discomfort.

**Acute Toxicity (Lethal Exposure Concentrations)**

<b>Chemical Name</b>	<b>LD50 oral</b>	<b>LD50 dermal</b>	<b>LC50 inhalation</b>
propan-2-ol	3 600 mg/kg Rat	12 800 mg/kg Rabbit	16 000 ppm 8 h Rat

*Note:* Toxicity data from the RTECS database accessed through the Canadian Centre for Occupational Health and Safety (CCOHS)<sup>2</sup> were consulted. The data from supplier (M)SDS were also consulted.

**Other Toxicological Effects**

<b>Skin corrosion/irritation</b>	Causes mild skin irritation based on Draize tests on rabbits. Prolonged or repeated skin contact may cause dermatitis
<b>Serious eye damage/irritation</b>	Causes moderate to severe eye irritation based on Draize tests on rabbits
<b>Sensitization (allergic reactions)</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity (risk of cancer)</b>	Not classified or listed as a carcinogen by IARC, ACGIH, CA Prop 65, or NTP

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<b>Mutagenicity</b> (risk of heritable genetic effects)	Based on available data, the classification criteria are not met.
<b>Reproductive Toxicity</b> (risk to sex functions)	Based on available data, the classification criteria are not met.
<b>Teratogenicity</b> (risk of fetus malformation)	Based on available data, the classification criteria are not met.
<b>STOT-single exposure</b>	Propan-2-ol can affect the central nervous system by inhalation causing drowsiness or dizziness.
<b>STOT-repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Not classified as Cat 1 aspiration hazards, so no labeling mandated. It does, however, meet the criteria for a Cat 2 aspiration hazard, which may be harmful if swallowed and enters airways.

**Section 12: Ecological Information**

The ecotoxicity of the mixture was estimated by the calculation method using the summation of classified ingredients. The IMDG Code criteria and the raw-material MSDS along with supporting data for the classification of registered substances from the European Chemical Agency database (<http://echa.europa.eu>) were used.

Propan-2-ol is not classifiable as an environmental toxicant (with minimal LC50 of 9,640 mg/L 96 h for *Pimephales promelas* (fathead minnow); 5,102 mg/L 24 h *Daphnia magna* (water flea); >2,000 mg/L 24 h *Pseudokirchneriella subcapitata* (green algae)).

**Acute Ecotoxicity**

Available toxicity data does not meet classification thresholds

**Chronic Ecotoxicity**

Available toxicity data does not meet classification thresholds

**Biodegradability**

Not available

**Other Effects**

Regulated Volatile Organic Content (VOC) = 100% (785 g/L)

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**Section 13: Disposal Information**

Dispose of contents in accordance with all local, regional, national, and international regulations.

**Section 14: Transport Information**

**Ground**

**Refer to TDG** (Canadian Transportation of Dangerous Goods regulations) and **USA DOT 49 CFR** (Parts 100 to 185) **Regulations.**

Sizes 1 liter and under

**Limited Quantity**



Sizes greater than 1 liter

**UN number:** UN3175

**Shipping Name:** SOLIDS CONTAINING FLAMMABLE LIQUIDS, N.O.S. (isopropanol)

**Class:** 4.1

**Packing Group:** II

**Marine Pollutant:** No

**Air**

**Refer to IMDG regulations.**

Sizes 10 mL or under

Use S.P. A46

NOTE: **Net Fill** of 2 ml per packet for part # 824-WX25, 824-WX50, and 824WX500

**UN number:** UN3175

**Shipping Name:** SOLIDS CONTAINING FLAMMABLE LIQUIDS, N.O.S. (isopropanol)

**Class:** 4.1

**Packing Group:** II

Marine Pollutant: No

**Special Provision A46:** Mixtures of solids which are not subject to these Regulations and flammable liquids may be transported under this entry without first applying the classification criteria of Division 4.1, providing there is no free liquid visible at the time the substance is packaged and the packaging must pass a leakproofness test at the Packing Group II level. Small inner packagings consisting of sealed packets or articles containing less than 10 mL of a Packing Group II or III flammable liquid absorbed into a solid material are not subject to these Regulations provided there is no free liquid in the packet or article.

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**PRESATURATED CLEANING CARD****8301****Sea****Refer to IMDG regulations.**

Sizes 10 mL or under

Use S.P. 216

NOTE: **Net Fill** of 2 ml per packet for part # 824-WX25, 824-WX50, and 824WX500**UN number:** UN3175**Shipping Name:** SOLIDS CONTAINING FLAMMABLE LIQUIDS, N.O.S. (isopropanol)**Class:** 4.1**Packing Group:** II**Marine Pollutant:** No

**Special Provision 216:** Mixtures of solids which are not subject to the provisions of this Code and flammable liquids may be transported under this entry without first applying the classification criteria of class 4.1, provided there is no free liquid visible at the time the substance is loaded or at the time of the packaging or cargo transport unit is closed. Each cargo transport unit shall be leakproof when used as a bulk container. Sealed packets and articles containing less than 10 mL of a packing group II or III flammable liquid absorbed into a solid material are not subject to the provisions of this Code provided there is no free liquid in the packet or article.

**Note:** Shipper must be appropriately trained and certified before involvement with the transport of dangerous goods.

**Section 15: Regulatory Information****Canada****WHMIS 1988 Classification**

B2 – Flammable Liquid; D2B – Toxic Material (Eye Irritant)

**Domestic Substance List (DSL) / Non-Domestic Substance Lists (NDSL)**

All hazardous ingredients are listed on the DSL/NDSL.

**Industry and Science Canada**

MG Labels products intended for the workplace to conform to WHMIS labeling regulations. Product identification, net quantity declaration, minimum printing type size heights, and packaging of this product are in compliance.

**Health Canada**

Products produced by MG Chemicals intended for retail display conform to the Canadian Consumer Labeling Regulations.

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**PRESATURATED CLEANING CARD****8301****USA****CAA** (Clean Air Act, USA)

This product does not contain any class 1 ozone depleting substances.

This product does not contain any class 2 ozone depleting substances.

This product does not contain substances that are listed as hazardous air pollutants.

**EPCRA** (Emergency Planning and Right to Know Act, USA, 40 CFR 372.45)

This product contains up to  $\geq 99\%$  propan-2-ol (CAS # 67-63-0) which is subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372.

**TSCA** (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.

**California Proposition 65** (Chemicals known to cause cancer or reproductive toxicity, Sept 2, 2011 revision, USA).

This product does not contain any of the listed substances.

**Europe****RoHS** (Restriction of Hazardous Substances Directive)

This product does not contain any lead, cadmium, mercury, hexavalent chromium, PBB's, or PBDE's, and complies with European RoHS regulations.

**WEEE** (Waste Electrical and Electronic Equipment Directive)

This product is not a piece of electrical or electronics equipment, and is therefore not governed by this regulation.

**Section 16: Other Information**

**SDS Prepared by** Michel Hachey

**Date of Revision** 25 May 2015

**Supersedes** 25 April 2012

**Reason for Changes:** Change to HCS 2012 and WHMIS 2015 format.

**Reference**

1) ACGIH 2013 TLVs and BEIs: Based on the documentation of the threshold limit values for chemical substances and physical agents & biological exposure indices, American Conference of Governmental of Industrial Hygienist Cincinnati, OH (2013).

2) All toxicological data were checked against the RTECS (Registry of Toxic Effects of Chemical Substances®)

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**PRESATURATED CLEANING CARD****8301****Abbreviations**

ACGIH	American Conference of Governmental Industrial Hygienists (USA)
ECHA	European Chemicals Agency
EU	European Union
EC50	Half maximal effective concentration
EL50	Half maximal effective loading
IARC	International Agency for Research on Cancer
NOELR	No observable effect loading ratio
NTP	National Toxicology Program
GHS	Globally Harmonized System of Classification of Labeling of Chemicals
LC50	Lethal Concentration 50%
LCLo	Lowest published lethal concentration
LD50	Lethal Dose 50%
OEL	Occupational Exposure Limit
PEL	Permissible Exposure Limit
SDS	Safety Data Sheet
STEL	Short-Term Exposure Limit
TCLo	Lowest published toxic concentration
TWA	Time Weighted Average
VOC	Volatile Organic Content

**Technical Queries** 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).

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