

# Material Safety Data Sheet

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## Section 1: Product Identification

**MSDS Code: 8301**      **Name: Presaturated Cleaning Cards**

**Related Part Numbers: 8301-50**

Use: For cleaning magnet stripe card readers

## Section 2: Hazardous Ingredients

CAS#	Chemical Name	Percentage by weight	ACGIH TWA	Osha Pel	Osha Stel
67-63-0	2-propanol	>99%	400ppm	400ppm	500ppm

## Section 3: Hazards Identification

**WHMIS Codes:** B2, D2B

**NFPA Ratings:** Health 1 Flammability 2 Reactivity 0

**HMIS Ratings:** Health 1 Flammability 2 Reactivity 0

**Eyes:** May cause eye irritation.

**Skin:** May cause skin irritation.

**Inhalation:** May cause respiratory tract irritation. May cause headaches.

**Ingestion:** Harmful if swallowed.

**Chronic:** Skin contact over a long period of time may cause dermatitis.

## Section 4: First Aid Measure

**Eyes:** Remove contact lenses. Flush with water. Get medical aid.

**Skin:** Wash skin with soap and water. Get medical aid if symptoms persist.

**Inhalation:** Immediately remove from exposure to fresh air.

**Ingestion:** Do not induce vomiting. If conscious, give 1-2 glasses of water. Get medical aid.

## Section 5: Fire Fighting Measures

**Autoignition Temperature:** 425°C

**Flash Point:** 12°C/54°F

**LEL / UEL:** 2 / 12

**Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.

**General Information:** Will burn if involved in a fire. Vapors can travel to a source of ignition and flash back. This product is an explosion hazard.

## Section 6: Accidental Release Measures

**Spill Procedure:** Remove all sources of ignition. Provide adequate ventilation. Wear rubber gloves. Wipe up residue with paper towel. Wash spill area with soap and water.

## Section 7: Handling and Storage

**Handling:** Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Do not inhale. Do not expose package to heat or flame. Use rubber gloves when using.

**Storage:** Keep away from sources of ignition. Store in a cool, dry, well-ventilated area.

## Section 8: Exposure Controls

**Routes of entry:** Inhalation and skin.

**Ventilation:** Use adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits.

**Personal Protection:** Wear rubber gloves to prevent skin contact.

## Section 9: Physical and Chemical Properties

<b>Physical State:</b>	Liquid	<b>Odor:</b> Mild Alcohol	<b>Solubility:</b> Completely	<b>Evaporation Rate:</b> 1.5 (Ether=1)	
<b>Boiling Point:</b>	82°C	<b>Specific Gravity:</b> 0.79	<b>Vapor Pressure:</b> 40 mmHg @23.8°C	<b>Vapor Density:</b> 2.1 (Air=1)	<b>pH:</b> N/a

## Section 10: Stability and Reactivity

**Stability:** Stable at normal temperatures and pressures.

**Conditions to avoid:** Temperatures over 40°C and ignition sources.

**Incompatibilities:** Strong oxidizers, acetaldehyde, chlorine, ethylene oxide, acids and isocyanates, hydrogen + palladium, nitroform, oleum, phosgene, oxygen, aluminum, aluminum triisopropoxide, trinitromethane, barium perchlorate, tetrafluoroborate, chromium trioxide, sodium dichromate + sulfuric acid.

**Polymerization:** Will not occur.

**Decomposition:** Carbon monoxide, carbon dioxide, acrid smoke and fumes.

## Section 11: Toxicological Information

**Sensitization:** (effects of repeated exposure) Repeated skin contact may cause defatting of the skin resulting in dermatitis.

**Carcinogenicity:** (risk of cancer) No

**Teratogenicity:** (risk of malformation in an unborn fetus) No

**Reproductive Toxicity:** (risk of sterility) No

**Mutagenicity:** (risk of heritable genetic effects) No

<b>Lethal Exposure Concentrations:</b>	<b>Ingestion (LD50):</b> 3600 mg/kg (rat)	<b>Inhalation (LC50):</b> 16000 ppm/4h (rat)	<b>Skin (LD50):</b> 5030-7900 mg/kg
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## Section 12: Ecological Information

**General Information:** Avoid runoff into storms and sewers, which lead into waterways. Water runoff can cause environmental damage.

**Environmental Impact Data:** (percentage by weight)

CFC: 0                      HFC: 0                      Cl.Solv: 0                      VOC: 100                      HCFC: 0                      ODP: 0

## Section 13: Disposal Information

**General Information:** Dispose of in accordance with all local, provincial, state, and federal regulations. Water runoff can cause environmental damage.

## Section 14: Transportation Information

### Ground Canada:

Classified as **Consumer Commodity**.

**Refer to TDG regulations** (Canadian Transportation of Dangerous Goods regulations). **Recommend Shipper be trained and certified.**

### Ground USA:

Classified as **ORM-D**. Refer to USA CFR 49 Regulations.

**Recommend Shipper be trained and certified.**

### Air:

**Refer to IATA Dangerous Goods Regulations.**

Shipping Name: **Solids containing flammable liquid, n.o.s. (Isopropanol)**, UN number: **3175**, Class: **4.1**, Packing Group: **II**, Flash Point: 12°C.

### IATA 4.4, Special Provisions: 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.

### Sea - All Sizes:

**Shipper must be trained and certified. Refer to IMDG regulations.**

Shipping Name: **Solids containing flammable liquid, n.o.s. (Isopropanol)**, UN number: **3175**, Class: **4.1**, Packing Group: **II**, Flash Point: 12°C.

## Section 15: Regulatory Information

**This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.**

### SARA (Superfund Amendments and Reauthorization Act of 1986, USA, 40 CFR 372.4)

This product contains >99% of 2-propanol (CAS# 67-63-0), a toxic chemical subject to the reporting requirements.

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

This product does contain >99% of 2-propanol (CAS# 67-63-0) a chemical 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.

### 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 any chemicals listed as hazardous air pollutants.

**California Proposition 65** (Chemicals known to cause cancer or reproductive toxicity, May 1, 1997 revision, USA)



This product does not contain any chemicals listed.

**Health Canada**

Labeling and containers used in this product are listed in compliance with Consumer Chemicals and Container regulations.

**Environment Canada**

Chemicals in this product are listed on the Domestic Substances List in the Canadian Environmental Protection Act

This product does not contain any ozone depleting substances.

**Industry and Science Canada**

Labeling, product identity, net quantity declaration, minimum printing type size heights, and packaging of this product is in compliance with the Consumer Packaging and Labeling Act and Regulations. This product is not slack filled in accordance to chapter 4 prohibitions.

**RoHS** (The restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2004).

This product is RoHS compliant.

## Section 16: Other Information

**Definitions:** N/a = not applicable, n/e = not established

**Disclaimer:** This material safety data sheet is provided as an information resource only. M.G. Chemicals believes the information contained herein is accurate and compiled from reliable sources. It is the responsibility of the user to verify its validity. The buyer assumes all responsibility of using and handling the product in accordance with federal, state, and local regulations.