

Material Safety Data Sheet

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Section 1: Product Identification

MSDS Code: 824-W **Name:** Isopropyl Alcohol Wipes

Related Part Numbers: 824-WX25; 824-WX50; 824-WX500

Use: Cleans office equipment, DVDs, CDs, SMT stencils, Televisions, cameras and more.

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 3 Reactivity 0

HMIS Ratings: Health 1 Flammability 3 Physical Hazard 0

Eyes: May cause eye irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury.

Skin: May cause skin irritation with pain and stinging, especially if skin is abraded.

Inhalation: May cause respiratory tract irritation. Inhaling high concentrations may cause central nervous system effects characterized by headache, and dizziness.

Ingestion: Harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting, and diarrhea. May cause central nervous system depression.

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.

Section 6: Accidental Release Measures

Spill Procedure: Provide adequate ventilation.

Section 7: Handling and Storage

Handling: Wash thoroughly after handling. Avoid contact with eyes.
Storage: Keep away from sources of ignition. Store in a cool, dry, well-ventilated area.

Section 8: Exposure Controls

Routes of entry: Eyes, ingestion, inhalation, and skin.
Ventilation: Use adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits.
Personal Protection: Wear appropriate protective eyeglasses or chemical safety goggles. Wear appropriate protective clothing to prevent skin contact.

Section 9: Physical and Chemical Properties

Physical State: Liquid	Odor: Slight alcohol	Solubility: Miscible	Evaporation Rate: 1.5 (Butyl Acetate=1)	
Boiling Point: 82°C	Specific Gravity: 0.787@20°C	Vapor Pressure: 40 mmHg @23.8°C	Vapor Density: 2.1 (Air=1)	pH: N/a

Section 10: Stability and Reactivity

Stability: Stable at normal temperatures and pressures.
Conditions to avoid: Temperatures over 40°C, ignition sources, and incompatible substances.
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		
Lethal Exposure Concentrations:	Ingestion (LD50): 3600mg/kg (rat)	Inhalation (LC50): 16000 ppm/4h (rat)	Skin (LD50): 5030-7900 mg/kg

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
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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

CANADA

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.

DSL

All ingredients in this product are listed on the Domestic Substances List

Health Canada

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

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 is in compliance.

WHMIS

This product belongs to the following categories: **B2, D2B**

USA

CAA (Clean Air Act, USA)

This product does not contain any class 1-ozone depletors.

This product does not contain any class 2-ozone depletors.

This product does not contain any chemicals listed as hazardous air pollutants.

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

This product contains (CAS# 67-63-0) 2-propanol (>99%) toxic chemicals subject to the reporting requirements of section 313 of Title III of the superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372

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

This product contains the following chemicals subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372: (CAS# 67-63-0) 2-propanol (>99%)

TSCA (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.

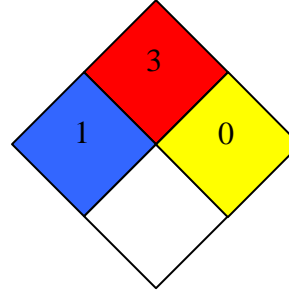
California Proposition 65 (Chemicals known to cause cancer or reproductive toxicity, May 1, 1997 revision, USA)

This product does not contain chemicals known to the state to cause reproductive toxicity and/or cancer.

HMIS RATING

HEALTH:	1
FLAMMABILITY:	3
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	

NFPA RATING



EUROPE

RoHS

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

WEEE

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

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.