

MULTI PURPOSE ALCOHOL WIPES

8241

Safety Data Sheet

Section 1: Product and Company Identification

Product Identifier and Other Means of Identification

Product Name: Multipurpose alcohol wipes**SDS Codes:** 8241**Related Part #:** 8241-T, 8241-W, 8241-WX25

Recommended Use and Restriction on Use

Use: Multipurpose cleaner**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
CANADA

MG Chemicals (Head Office)
9347-193 Street
Surrey, British Columbia V4N 4E7
CANADA

☎ +1-800-340-0772**FAX** +1-800-340-0773**E-MAIL:** support@mgchemicals.com**WEB** www.mgchemicals.com**☎** +1-905-331-1396**FAX** +1-905-331-2682**E-MAIL:** info@mgchemicals.com**E-MAIL** (Competent Person): 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

MULTI PURPOSE ALCOHOL WIPES

8241

Section 2: Hazards Identification

Classification of Hazardous Chemical

WHMIS Classification



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

GHS Categories

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

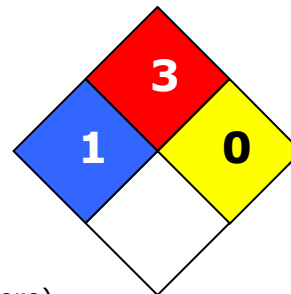
Note: The degree of severity is ranked within each hazard class from 1 (Highest Severity) to up to 5 (Lowest Severity). Severity categories do not allow comparisons between classes.

Other Classifications

HMIS® RATING

HEALTH:	2
FLAMMABILITY:	3
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	

NFPA® 704 CODES



Approximate HMIS and NFPA Risk Ratings Legend:



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

Continued on the next page

MULTI PURPOSE ALCOHOL WIPES

8241

Label Elements

Signal Word	DANGER
Pictograms	Hazard Statements
	H225: Highly flammable liquid and vapor
	H319: Causes serious eye irritation H336: May cause drowsiness and dizziness
Prevention	Precautionary Statements
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.
Response	Precautionary Statements
P370 + P378	In case of fire: Use dry chemical, carbon dioxide, chemical foam, or water spray to extinguish.
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.
Storage	Precautionary Statements
P403 + P235	Store in well ventilated place. Keep cool.
Disposal	Precautionary Statements
P501	Dispose of contents/container in accordance to local/regional/international regulations.

Other Hazards

Prolonged or repeated exposure may cause skin dryness or cracking

MULTI PURPOSE ALCOHOL WIPES

8241

Section 3: Hazardous Ingredients

CAS #	Chemical Name	Wt%
67-63-0	propan-2-ol ^{a)}	65-75%
7732-18-5	water	25-35%

a) Commonly known as isopropyl alcohol (IPA)

Section 4: First-Aid Measures

<i>Exposure Condition</i>	<i>GHS Code: Precautionary Statement</i>
IF IN EYES	P305 + P351 + P338, P337 + P313
Immediate Symptoms	<i>irritation, tearing, redness, pain</i>
Response	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
IF ON SKIN (or hair)	P302 + P353
Immediate Symptoms	<i>dry skin, redness</i>
Response	Rinse skin with water. Take off contaminated clothing and wash it before reuse.
IF INHALED	P304 + P340 + P312 <i>(Not a likely route of exposure under normal use)</i>
Immediate Symptoms	<i>cough, dizziness, drowsiness, headaches, weakness, unconsciousness</i>
Response	Remove person to fresh air (out of the contaminated zone) and keep comfortable for breathing. If feeling unwell: Call a POISON CENTRE/doctor.
IF SWALLOWED	P301 + P330 + P331 <i>(Not a likely route of exposure under normal use)</i>
Immediate Symptoms	<i>nausea, headaches, dizziness, weakness, unconsciousness</i>
Response	Rinse mouth. Do NOT induce vomiting.

MULTI PURPOSE ALCOHOL WIPES**8241****Section 5: Fire-Fighting Measures**

Auto-ignition Temperature ^{a)}	425 °C [797 °F]	Flash Point ^{a)}	18 °C [64 °F]	LFL [LEL]	2%
				UFL [UEL] ^{b)}	12%

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.**Combustion Products** Produces carbon oxides (CO, CO₂)**Fire-Fighter** Wear self-contained breathing apparatus for fire fighting**General Information** 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.

a) Auto-ignition and flash point (Tag closed cup) values based on literature values

b) LFL = Lower Flammability [or Explosion] Limit (in volume %);
UFL = Upper Flammability [or Explosion] Limit (in volume %)**Section 6: Accidental Release Measures****Personal Protection** See Section 8. Avoid breathing the mist/vapors.**Containment** Remove all sources of ignition.
Prevent spill from entering drains and waterways.**Cleaning** Collect liquid in a sealable, solvent-resistant container. Wipe up further residue with paper towel and place dirty towels in container. Wash spill area with soap and water to remove the last traces of residue.**RECOMMENDATION:** Use a grounded stainless steel or carbon steel container or a solvent resistant plastic container.**Disposal** Dispose of spill waste according to Section 13.

MULTI PURPOSE ALCOHOL WIPES

8241

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

Eyes, ingestion, inhalation, and skin

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	—
	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 ACGIH¹, OSHA, and Canadian provinces exposure limits were consulted. Limits from by RTECS database² 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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MULTI PURPOSE ALCOHOL WIPES**8241****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 natural rubber latex, neoprene, nitrile, butyl, or other chemically resistant gloves.

Respiratory Protection If exposed to vapor above exposure threshold, wear a respirator such as a half-mask respirator with organic vapor cartridges.

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.

MULTI PURPOSE ALCOHOL WIPES
8241
Section 9: Physical and Chemical Properties

Physical State	Liquid	Appearance	Colorless
Odor	Alcohol like	Odor Threshold	Not available
pH	Not available	Specific Gravity @20 °C	0.858 to 0.870
Solubility in Water	Fully miscible	Freezing/Melting Point	Not available
Flash Point ^{a)}	18 °C [64 °F]	Vapor Pressure @ 20 °C	4.2 kPa [32 mmHg]
Boiling Point	≥80.6 °C [≥177 °F]	Evaporation Rate	1.5 (ButAc = 1)
Lower Flammability Limit	2%	Upper Flammability Limit	12%
Auto-ignition Temperature ^{b)}	425 °C [797 °F]	Decomposition Temperature	Not available
Viscosity @20 °C	≥2.4 mPa· [≥3.1 cSt]	Vapor Density	2.1
Partition Coefficient	Not established		

a) Tag closed cup value

Section 10: Stability and Reactivity

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

MULTI PURPOSE ALCOHOL WIPES**8241****Section 11: Toxicological Information****Routes of Exposure**

Eyes, ingestion, inhalation, and skin

Symptoms Summary

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

Acute Toxicity (Lethal Exposure Concentrations)

Chemical Name	LD50 oral	LD50 dermal	LC50 inhalation	TCLo inhalation
isopropyl alcohol	3 600 mg/kg Rat	12 800 mg/kg Rabbit	16 000 ppm 8 h Rat	35 ppm Human

Note: Representative toxicity data from by RTECS database of the Canadian Centre for Occupational Health and Safety (CCOHS)² data from supplier MSDS were also consulted.

Other Toxicological Effects

Skin corrosion/irritation	Causes mild skin irritation based on Draize tests on rabbits. Prolonged or repeated skin contact may cause dermatitis
Serious eye damage/irritation	Causes moderate to severe eye irritation based on Draize tests on rabbits
Sensitization (allergic reactions)	No evidence of sensitization
Carcinogenicity (risk of cancer)	Not classified or listed as a carcinogen by IARC, ACGIH, CA Prop 65, or NTP
Mutagenicity (risk of heritable genetic effects)	No data available
Reproductive Toxicity (risk to sex functions)	No data available

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MULTI PURPOSE ALCOHOL WIPES**8241**

Teratogenicity (risk of fetus malformation)	No data available
STOT-single exposure	Propan-2-ol can affect the central nervous system by inhalation causing drowsiness or dizziness.
STOT-repeated exposure	No data available
Aspiration hazard	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.

The 2-propanol component 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) $\leq 70\%$ (603 g/L)

Section 13: Disposal Information

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

MULTI PURPOSE ALCOHOL WIPES

8241

Section 14: Transport Information

Ground

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

Cat. No. 8241-W, 8241-WX25

NOT REGULATED

US.DOT. Special Provision 47
TDG Special Provision 56

Cat. No. 8241-T

LIMITED QUANTITY



Air

Refer to ICAO-IATA Dangerous Goods Regulations.

Cat. No. 8241-W, 8241-WX25

NOT REGULATED

Special Provisions A46

Cat. No. 8241-T

LIMITED QUANTITY

UN number: UN3175
Shipping Name: Solids Containing
Flammable Liquid, N.O.S.
(isopropanol)
Class: 4.1
Packing Group: II
Marine Pollutant: No



Sea

Refer to IMDG regulations.

Cat. No. 8241-W, 8241-WX25

NOT REGULATED

Special Provision 216

Cat. No. 8241-T

LIMITED QUANTITY

UN number: UN3175
Shipping Name: Solids Containing
Flammable Liquid, N.O.S.
(isopropanol)
Class: 4.1
Packing Group: II
Marine Pollutant: No



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

MULTI PURPOSE ALCOHOL WIPES**8241****Section 15: Regulatory Information****Canada****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.

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 $\geq 99.7\%$ 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.

CARB Consumer Product Regulations

This product is not for sale as a consumer product in the state of California because it exceeds the VOC limits for "multi-purpose solvents".

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MULTI PURPOSE ALCOHOL WIPES**8241****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

MSDS Prepared by Michel Hachey

Date of Revision 11 April 2014

Supersedes 17 October 2013

Reason for Changes: Change to GHS classification and format

References

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®), MDL Information Systems, Inc.

Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists (USA)
EC50	Half maximal effective concentration
EL50	Half maximal effective loading
NOELR	No observable effect loading ratio
GHS	Globally Harmonized System of Classification of Labeling of Chemicals
LC50	Lethal Concentration 50%
LCLo	Lowest published lethal concentration
LD50	Lethal Dose 50%
PEL	Permissible Exposure Limit
STEL	Short-Term Exposure Limit
TCLo	Lowest published toxic concentration
TWA	Time Weighted Average
VOC	Volatile Organic Content

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MULTI PURPOSE ALCOHOL WIPES**8241**

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.

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