MULTI PURPOSE ALCOHOL WIPES

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
☎ +1-800-340-0772
FAX +1-800-340-0773
E-MAIL: support@mgchemicals.com
WEB www.mgchemicals.com

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

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Date of Creation: 11 April 2014 / Ver. 2.00
# Multi Purpose Alcohol Wipes

## Label Elements

<table>
<thead>
<tr>
<th>Signal Word</th>
<th>DANGER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pictograms</td>
<td>Hazard Statements</td>
</tr>
<tr>
<td></td>
<td>H225: Highly flammable liquid and vapor</td>
</tr>
</tbody>
</table>
|             | H319: Causes serious eye irritation  
|             | H336: May cause drowsiness and dizziness |

<table>
<thead>
<tr>
<th>Prevention</th>
<th>Precautionary Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>P210</td>
<td>Keep away from heat/sparks/open flames/hot surfaces. No smoking.</td>
</tr>
<tr>
<td>P264</td>
<td>Wash hands thoroughly after handling.</td>
</tr>
<tr>
<td>P261</td>
<td>Avoid breathing vapors.</td>
</tr>
<tr>
<td>P280</td>
<td>Wear protective gloves.</td>
</tr>
<tr>
<td>P271</td>
<td>Use only outdoors or in a well ventilated area.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Response</th>
<th>Precautionary Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>P370 + P378</td>
<td>In case of fire: Use dry chemical, carbon dioxide, chemical foam, or water spray to extinguish.</td>
</tr>
<tr>
<td>P305 + P351 + P338</td>
<td>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</td>
</tr>
<tr>
<td>P337 + P313</td>
<td>If eye irritation persists: Get medical advice/attention.</td>
</tr>
<tr>
<td>P304 + P340 + P312</td>
<td>IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE/doctor if you feel unwell.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Storage</th>
<th>Precautionary Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>P403 + P235</td>
<td>Store in a well ventilated place. Keep cool.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Disposal</th>
<th>Precautionary Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>P501</td>
<td>Dispose of contents/container in accordance to local/regional/international regulations.</td>
</tr>
</tbody>
</table>

## Other Hazards

Prolonged or repeated exposure may cause skin dryness or cracking.
**Section 5: Fire-Fighting Measures**

<table>
<thead>
<tr>
<th>Auto-ignition Temperature</th>
<th>Flash Point</th>
<th>LFL [LEL]</th>
<th>UFL [UEL]</th>
</tr>
</thead>
<tbody>
<tr>
<td>425 °C [797 °F]</td>
<td>18 °C [64 °F]</td>
<td>2%</td>
<td>12%</td>
</tr>
</tbody>
</table>

**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.

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*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 %)*

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**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.
**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.
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)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 oral</th>
<th>LD50 dermal</th>
<th>LC50 inhalation</th>
<th>TCL0 inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>isopropyl alcohol</td>
<td>3 600 mg/kg Rat</td>
<td>12 800 mg/kg Rabbit</td>
<td>16 000 ppm 8 h Rat</td>
<td>35 ppm Human</td>
</tr>
</tbody>
</table>

Note: Representative toxicity data from by RTECS database of the Canadian Centre for Occupational Health and Safety (CCOHS) 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
No evidence of sensitization

Carcinogenicity
Not classified or listed as a carcinogen by IARC, ACGIH, CA Prop 65, or NTP

Mutagenicity
No data available

Reproductive Toxicity
No data available

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# Section 14: Transport Information

## Ground

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

<table>
<thead>
<tr>
<th>Cat. No. 8241-W, 8241-WX25</th>
<th>Cat. No. 8241-T</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NOT REGULATED</strong></td>
<td><strong>LIMITED QUANTITY</strong></td>
</tr>
<tr>
<td>US.DOT. Special Provision 47</td>
<td></td>
</tr>
<tr>
<td>TDG Special Provision 56</td>
<td></td>
</tr>
</tbody>
</table>

## Air

**Refer to ICAO-IATA Dangerous Goods Regulations.**

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<td><strong>LIMITED QUANTITY</strong></td>
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<tr>
<td>Special Provisions A46</td>
<td></td>
</tr>
</tbody>
</table>

**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.**

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<thead>
<tr>
<th>Cat. No. 8241-W, 8241-WX25</th>
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</tr>
</thead>
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<td>Special Provision 216</td>
<td></td>
</tr>
</tbody>
</table>

**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.*
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 ofRevision
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 Hygienists 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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