

Hand Sanitizer Checklist

Technical-grade ethanol is recommended for casual use (>100 times a day) at home and in the community. This ingredient has not undergone the normal purification to reach medical-grade and has excess impurities. Some of these impurities are flavour compounds in alcoholic beverages, but repeated application to skin, or excessive inhalation may lead to side-effects. This includes dry skin, eye/throat/skin irritation, changes in the efficacy of the product, inclusion of toxins and carcinogens.

If you experience any adverse side effects like headache, shortness of breath, stinging sensations, or dermatitis, cease use immediately, and seek medical attention.

How can I tell the difference between medical and technical grade hand sanitizers?

When you apply hand sanitizer you may notice an unusual odor or residue. Do not inhale hand sanitizer.

Report any incident to Canada.ca/drug-device-reporting

To submit a complaint or concern:

<https://www.canada.ca/en/health-canada/services/drugs-health-products/compliance-enforcement/problem-reporting.html>

<https://www.healthycanadians.gc.ca/apps/radar/MD-IM-0005.08.html>

Email: hcinfo.infosc@canada.ca

Telephone: 613-957-2991

Toll free: 1-866-225-0709

Resources

*List of hand sanitizers authorized by Health Canada

<https://www.canada.ca/en/health-canada/services/drugs-health-products/disinfectants/covid-19/hand-sanitizer.html>

*List of hand sanitizers authorized under COVID-19 interim measures

<https://www.canada.ca/en/health-canada/services/drugs-health-products/disinfectants/covid-19/products-accepted-under-interim-measure.html>

Recalls

<https://healthycanadians.gc.ca/recall-alert-rappel-avis/hc-sc/2020/73385a-eng.php>

Risk assessment for technical grade ethanol

<https://www.canada.ca/en/health-canada/services/drugs-health-products/natural-non-prescription/legislation-guidelines/covid19-technical-grade-ethanol-hand-sanitizer/risk-assessment-summary-report.html>



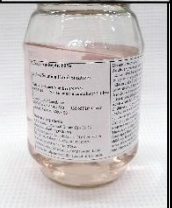











*Inclusion on these lists is not an endorsement by Health Canada. The lists are for regulatory compliance only.

About us

GooforScience is part of Lipid Quality and Utilization team at the University of Saskatchewan. Sarah Purdy (Ph.D.), Fina Nelson (M.Sc.), working with Prof. Martin Reaney (Ph.D.) are researching ethanol purification methods in partnership with Poundmaker Agventures (PMA) and Bioriginal. PMA is a licensed producer of technical-grade ethanol, and Bioriginal is a licenced producer and distributor of surface and hand sanitizer products using technical-grade ethanol. Funding for the research is provided by the Saskatchewan Agricultural Development Fund and Mitacs.

Hand Sanitizer Checklist

Use this checklist to add confidence that your hand sanitizer is compliant with Health Canada guidelines. This does not guarantee that a product is risk-free.

Container: <input type="checkbox"/> Does it look like food? <input type="checkbox"/> Does it re-seal? <input type="checkbox"/> Is it in a can? If damaged, dispose as hazardous waste (ethanol). If undamaged, transfer to glass or plastic container with a small mouth. Store and use away from food Transfer to a glass or plastic container with a small mouth. Check for damage to the can.		  	
Additives: <input type="checkbox"/> Is it carbonated? <input type="checkbox"/> Any cosmetic additives? (lemon, citrus, lavender, etc.). This can influence the effectiveness of the product. <i>Report this product.</i> Requires a normal permit to demonstrate efficacy. Avoid these products from interim, non-medical sources like distilleries		Can damage photo: https://www.cbc.ca/news/canada/calgary/calgarians-warned-fire-risk-canned-aluminum-hand-sanitizer-crisis-grade-1.5812973	
Medicinal Ingredients Ethanol 60-80% abv* OR Ethanol (technical grade) 60-80% abv**  <p>* As of Oct. 2020, low levels of impurities. ** Increased levels of impurities.</p>	Directions for use (technical grade) Adults only.** Remove or cover "supervise children ..." Do not use if you are pregnant or breastfeeding. Do not inhale. Not to be used on broken or damaged skin.°   <p>**Because of acetaldehyde. °Because of increased organic fermentation impurities.</p>		
Medicinal Ingredients Glycerol 1.45% Hydrogen Peroxide 0.125%+  <p>+ If labelled 1.25% product should be flagged for recall: Label is wrong, or product will cause stinging.</p>	Non-medicinal Ingredients Ingredients may vary. e.g. Water, carbomer or similar gelling agent.  <p>Scented and coloured products should be authorized using standard regulations for health products.</p>	Directions for use Use on unsoiled hands.  <p>Supervise children when they use this product.</p> 	
Licence number DIN, NPN  <p>Check Authorized products AND COVID-19 interim authorized products</p>	Warning  <p>Flammable</p>	Product Information Manufacturer/distributor name and location.  <p>Lot number, expiry date dd/mm/yy</p>	
Problem Reporting hcinfo.infosc@canada.ca 613-957-2991 1-866-225-0709	Recalls 	Health Canada Risk Assessment 