

Material Safety Data Sheet



Quik-Care Moisturizing Gel Waterless Antimicrobial Hand Sanitizer

Section 1. Chemical product and company identification

Trade name : Quik-Care Moisturizing Gel Waterless Antimicrobial Hand Sanitizer
Product use : Skin antiseptic
Supplier : Ecolab Healthcare Division
370 Wabasha Street N
St. Paul MN 55102
5105 Tomken Road
Mississauga ON L4W 2X5
1-800-352-5326
Code : 908463-01
Date of issue : 06-August-2008

EMERGENCY HEALTH INFORMATION: 1-800-328-0026
Outside United States and Canada CALL 1-651-222-5352 (in USA)

Section 2. Composition, information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
ethanol	64-17-5	40 - 70
glycerin	56-81-5	1 - 5

Section 3. Hazards identification

Physical state : Liquid. [Gel]
Emergency overview : WARNING !

FLAMMABLE LIQUID AND VAPOUR.
MAY CAUSE EYE IRRITATION.

Avoid contact with eyes. Keep away from heat, sparks and flame. Keep container closed.
Use only with adequate ventilation.

Routes of entry : Skin contact, Eye contact, Inhalation, Ingestion

Potential acute health effects

Eyes : Slightly irritating to the eyes.
Skin : No known significant effects or critical hazards.
Inhalation : Slightly irritating to the respiratory system.
Ingestion : No known significant effects or critical hazards.

See toxicological information (section 11)

Section 4. First-aid measures

Eye contact : In case of contact, immediately flush eyes with plenty of water. Remove contact lenses and flush again. Get medical attention if irritation persists.
Skin contact : Get medical attention if symptoms appear. Wash clothing before reuse.
Inhalation : If inhaled, remove to fresh air.
Ingestion : Do not induce vomiting. Never give anything by mouth to an unconscious person. If irritation persists, get medical attention.

Section 5. Fire-fighting measures

Auto-ignition temperature : Not available.
Flash point : 23.8889 °C (Closed cup)
Flammable limits : Not available.
Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

- Fire-fighting media and instructions** : Use dry chemical, CO₂, water spray (fog) or foam.
Use water spray to keep fire-exposed containers cool. Dyke area of fire to prevent runoff.
Flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Risk of explosion of the product in the presence of mechanical impact: Not available.

Risk of explosion of the product in the presence of static discharge: Not available.

Section 6. Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Eliminate all ignition sources. Use suitable protective equipment. Keep unnecessary personnel away. Do not touch or walk through spilt material.
- Environmental precautions** : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods for cleaning up** : If emergency personnel are unavailable, contain spilt material. For small spills, add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion-proof means to transfer material to a sealable, appropriate container for disposal. For large spills, dyke spilt material or otherwise contain it to ensure runoff does not reach a waterway. Place spilt material in an appropriate container for disposal.

Section 7. Handling and storage

- Handling** : Keep away from heat, sparks and flame. To avoid fire, eliminate ignition sources. Wash thoroughly after handling.
- Storage** : Keep out of reach of children. Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).
Do not store above the following temperature: 30°C

Section 8. Exposure controls/personal protection

- Engineering measures** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protection :

- Eyes** : No protective equipment is needed under normal use conditions.
- Hands** : No protective equipment is needed under normal use conditions.
- Skin** : No protective equipment is needed under normal use conditions.
- Respiratory** : A respirator is not needed under normal and intended conditions of product use.

Name

ethanol

Exposure limits

CA Alberta Provincial (Canada, 10/2006).

8 hrs OEL: 1880 mg/m³ 8 hour(s).

8 hrs OEL: 1000 ppm 8 hour(s).

CA British Columbia Provincial (Canada, 7/2007).

TWA: 1000 ppm 8 hour(s).

CA Ontario Provincial (Canada, 3/2007).

TWAEV: 1900 mg/m³ 8 hour(s).

TWAEV: 1000 ppm 8 hour(s).

CA Quebec Provincial (Canada, 12/2006).

TWAEV: 1880 mg/m³ 8 hour(s).

TWAEV: 1000 ppm 8 hour(s).

ACGIH TLV (United States, 1/2007).

TWA: 1880 mg/m³ 8 hour(s).

TWA: 1000 ppm 8 hour(s).

glycerin

CA Alberta Provincial (Canada, 10/2006).8 hrs OEL: 10 mg/m³ 8 hour(s). Form: Mist**CA British Columbia Provincial (Canada, 7/2007).**TWA: 10 mg/m³ 8 hour(s). Form: MistTWA: 3 mg/m³ 8 hour(s). Form: Respirable mist**CA Ontario Provincial (Canada, 3/2007).**TWA: 10 mg/m³ 8 hour(s). Form: mist**CA Quebec Provincial (Canada, 12/2006).**TWA: 10 mg/m³ 8 hour(s). Form: mist**ACGIH TLV (United States, 1/2007).**TWA: 10 mg/m³ 8 hour(s). Form: Mist

Section 9. Physical and chemical properties

Physical state	: Liquid. [Gel]
Colour	: Hazy liquid.
Odour	: Alcohol-like.
pH	: 6.3 to 8.2 [Conc. (% w/w): 100%]
Boiling/condensation point	: Not available.
Melting/freezing point	: Not available.
Relative density	: 0.871 to 0.881
Vapour pressure	: Not available.
Vapour density	: Not available.
Odour threshold	: Not available.
Evaporation rate	: Not available.
LogK _{ow}	: Not available.

Section 10. Stability and reactivity

Stability	: The product is stable. Under normal conditions of storage and use, hazardous polymerisation will not occur.
Conditions of instability	: Not available.
Reactivity	: Not available.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerisation	: Under normal conditions of storage and use, hazardous polymerisation will not occur.

Section 11. Toxicological information

Potential acute health effects

Eyes	: Slightly irritating to the eyes.
Skin	: No known significant effects or critical hazards.
Inhalation	: Slightly irritating to the respiratory system.
Ingestion	: No known significant effects or critical hazards.

Potential chronic health effects

Carcinogenic effects : No known significant effects or critical hazards.

<u>Ingredient name</u>	<u>ACGIH</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA</u>
Not applicable.				

Mutagenic effects	: No known significant effects or critical hazards.
Teratogenic effects	: No known significant effects or critical hazards.
Reproductive effects	: No known significant effects or critical hazards.
Sensitization to Product	: No known significant effects or critical hazards.

Synergistic products (toxicologically) : Not available.

Toxicity data

<u>Ingredient name</u>	<u>Test</u>	<u>Route</u>	<u>Result</u>	<u>Species</u>
ethanol	LD50	Oral	3450 mg/kg	Mouse
	LD50	Oral	7060 mg/kg	Rat
	LD50	Oral	7 g/kg	Rat - Male
glycerin	LD50	Dermal	>10 g/kg	Rabbit
	LD50	Oral	12600 mg/kg	Rat
	LD50	Oral	4090 mg/kg	Mouse

Target organs : There is no known chronic effect after exposure to this product.

Section 12. Ecological information

Ecotoxicity

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
ethanol	Fish	96 hours	Acute LC50 13000 mg/L
	Fish	96 hours	Acute LC50 >100 mg/L
glycerin	Fish	96 hours	Acute LC50 54000 mg/L

Section 13. Disposal considerations

Waste disposal : The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Consult your local or regional authorities.

Section 14. Transport information

See shipping documents for specific transportation information.

Section 15. Regulatory information

WHMIS : Not a WHMIS controlled material.
NPN 80005420

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

Section 16. Other information

Date of issue : 06-August-2008.
Responsible name : Regulatory Affairs
1-800-352-5326
Date of previous issue : 12-May-2008.

Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.