

Material Safety Data Sheet



Quik-Care

Section 1. Chemical product and company identification

Trade name : Quik-Care
Product use : Skin antiseptic
Supplier : Ecolab Inc. Healthcare Division
370 N. Wabasha St.
St. Paul, MN 55102
1-800-332-6522
Code : 900349
Date of issue : 11-May-2007

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	>50
isobutane	75-28-5	1 - 5
glycerin	56-81-5	1 - 5
difluoroethane	75-37-6	1 - 5

Section 3. Hazards identification

Physical state : Liquid. [Aerosol.]
Emergency overview : DANGER!

EXTREMELY FLAMMABLE LIQUID AND VAPOR.
VAPOR MAY CAUSE FLASH FIRE.
MAY CAUSE EYE IRRITATION.
CONTENTS UNDER PRESSURE.
Can cause central nervous system depression.
Intentional misuse by deliberate inhalation may be harmful or fatal.
Avoid contact with eyes. Avoid all possible sources of ignition (spark or flame). Keep away from heat and direct sunlight. Do not puncture, incinerate or store the container at temperatures above 49°C (120°F) or in direct sunlight. Keep container closed.

Potential acute health effects

Eyes : Moderately irritating to eyes.
Skin : Slightly irritating to the skin.
Inhalation : Slightly irritating to the respiratory system. High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.
Ingestion : May be harmful if swallowed

See toxicological information (section 11)

Section 4. First aid measures

Eye contact : In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. 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 unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Fire fighting measures

Flash point	: 12.7778 °C (Closed cup)
Products of combustion	: Decomposition products may include the following materials: halogenated compounds, hydrogen fluoride.
Fire-fighting media and instructions	: In case of fire, use water spray (fog), foam, dry chemical, or CO ₂ . Dike liquid for later disposal. Extremely flammable liquid and vapor. Vapor may cause flash fire. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. 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.

Section 6. Accidental release measures

Personal precautions	: Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment. Do not touch or walk through spilled material.
Environmental precautions	: Avoid dispersal of spilled 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 spilled 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, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Section 7. Handling and storage

Handling	: Avoid contact with eyes. Keep away from heat, sparks and flame. Keep container closed. Wash thoroughly after handling.
Storage	: Keep out of the 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: 40°C

Section 8. Exposure controls, personal protection

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

Eyes	: Eye protection recommended.
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

ACGIH TLV (United States, 1/2006).TWA: 1880 mg/m³ 8 hour(s).

TWA: 1000 ppm 8 hour(s).

OSHA PEL (United States, 11/2006).TWA: 1900 mg/m³ 8 hour(s).

TWA: 1000 ppm 8 hour(s).

isobutane

ACGIH TLV (United States, 1/2006).

TWA: 1000 ppm 8 hour(s).

glycerin

ACGIH TLV (United States, 1/2006).TWA: 10 mg/m³ 8 hour(s). Form: Mist**OSHA PEL (United States, 11/2006).**TWA: 5 mg/m³ 8 hour(s). Form: Respirable fractionTWA: 15 mg/m³ 8 hour(s). Form: Total dust

Section 9. Physical and chemical properties

Physical state : Liquid. [Aerosol.]
Color : White.
Odor : Alcohol-like.
pH : 6.4 to 6.7 [Conc. (% w/w): 100%]
Specific gravity : 0.88 to 0.9

Section 10. Stability and reactivity

Stability : The product is stable.
Hazardous decomposition products : Decomposition products may include the following materials: halogenated compounds, hydrogen fluoride.

Section 11. Toxicological information

Potential acute health effects

Eyes : Moderately irritating to eyes.
Skin : Slightly irritating to the skin.
Inhalation : Slightly irritating to the respiratory system. High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.
Ingestion : May be harmful if swallowed

Potential chronic health effects

Chronic effects on humans : There is no known chronic effect after exposure to this product.

Section 12. Ecological information

Section 13. Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled 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.

Waste classification : Unused product is D001 (Ignitable)

Consult your local or regional authorities.

Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Additional information
DOT Classification	-	Consumer commodity	ORM-D	-	Not available.

APPLIES ONLY DURING ROAD TRANSPORT

Any variation of the shipping description based on the packaging is not addressed.

Section 15. Regulatory information

HCS Classification : Flammable aerosol
Irritating material
U.S. Federal regulations : SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
TSCA 8(b) inventory : All materials are listed or exempt.
California Prop. 65 : No products were found.

Section 16. Other information

Hazardous Material
Information System (U.S.A.) :

Health	1
Flammability	2
Physical hazards	0

Date of issue : 11-May-2007.
Responsible name : Regulatory Affairs
Date of previous issue : No previous validation.

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.