




SAFETY DATA SHEET (MSDS) BioLife Hand Sanitizer

Identification of the hazardous chemical or mixture and of the supplier or manufacturer.		
Product name:	Antibacterial Gel	
Recommended use:	Hand gel formulated for domestic and institutional use.	
Supplier or manufacturer details:	BioLife	
Location	Grand Traders Limited Brampton	
call in an emergency:	1 833 919-1037	
II Hazard identification		
Corporal dangers		
Symbol	Signal word	Indication of danger
	ATTENTION	Flammable liquid and vapor
Health hazards		
	ATTENTION	Causes skin irritation / prolonged contact
Does not apply	ATTENTION	Causes eye irritation
	ATTENTION	It can be harmful in case of ingestion and penetration into respiratory tract

III Composition / Information on its components	
Mixture	
Prepared by:	Technical service

Concentration or concentration range of dangerous chemical substances				
Component	CAS	%	UN	
Ethyl alcohol	64-17-5	60-70	1987	

IV First aid	
Eye contact:	Flush eyes with large amounts of warm water for 15 minutes. Get medical attention if irritation persists.
Skin contact:	Rinse the area with plenty of water for 15 minutes. Get medical attention if irritation persists.
Ingestion	If swallowed, drink 1 to 2 glasses of water. If the symptoms persist, get medical attention.
Inhalation:	If necessary, remove the person to fresh air. If you breathe hard ask for medical help

V Firefighting measures	
Inflammability:	Flammable Product.
Flash temperature:	24 Celsius degrees
Extinguishing media:	In case of fire, use water, all foams, chemical powder dry, carbon dioxide or other class B extinguishing agents
Special measures to follow:	Does not apply

VI Measures to be taken in case of accidental spill or accidental leakage

Personal precautions, protective gear and procedures emergency	<ul style="list-style-type: none"> - Use personal protective equipment. <ul style="list-style-type: none"> - Ensure proper ventilation. - Remove all ignition sources. - Evacuate personnel to safe zones. - Keep people away from the leak area and in opposite direction to the wind. The material can produce slippery conditions.
Environmental precautions	<ul style="list-style-type: none"> - The discharge into the environment must be avoided. Prevent further leaks or spills if it can be done without risks. - Retain and eliminate contaminated water. - Local authorities should be informed if the major spills cannot be contained.
Methods and material of containment and cleaning	<ul style="list-style-type: none"> - Tools that do not produce sparks must be used. - Soak up with inert absorbent material. - Suppress gases / vapors / mists with water spray. - Store in appropriate and closed containers for your elimination. - Thoroughly wash contaminated floors and objects respecting the environmental regulations.

VII Handling and storage

Tips for a safe handling	<p>Personal protective equipment, see section 8. Keep away from heat sources. Use with local exhaust ventilation. Avoid eye contact.</p>
Hygiene measures	<p>Handle with industrial hygiene precautions appropriate, and respect safety practices. Avoid eye contact.</p>
Conditions for safe storage	<p>Take measures to prevent the accumulation of discharges electrostatic.</p> <p>Store in properly labeled containers.</p> <p>Keep the container tightly closed in one place dry and well ventilated.</p> <p>Store in accordance with national regulations individuals.</p>

VIII Exposure controls / personal protection	
Respiratory protection	Normally does not require the use of protective equipment individual respiratory.
Protection of hands	No special protective equipment is required
Eye protection	Wear face shield and protective suit in case they arise anomalies in the process
Skin and body protection	No special protective equipment is required
Protection measures	Choose body protection according to its characteristics, the concentration and quantity of dangerous substances, and the specific place of work. Make sure that the eyewash and shower systems are located near the workplace

IX Physical and chemical properties	
Physical state:	Semi Líquid
Colour	claro
odor	alcohol
pH	6.5 - 8.5
Flashpoint	24.00 °C

X Stability and reactivity	
General:	This product is stable. No risk of an occurrence dangerous polymerization.
Incompatible Materials:	Strong oxidizing agents
Reactivity	Not classified as a reactivity hazard.
Possibility of reactions dangerous	Vapors can form an explosive mixture with air.
Conditions they must avoid	Heat, flames and sparks.
Chemical stability	Stable under normal conditions.

XI Toxicological information

Information on possible routes of exposure

Inhalation, Skin contact Eye, contact

Acute toxicity

It is not classified based on available information.

Components:

Alcohol: Acute oral toxicity

DL50 (Rat): > 5,000 mg/kg

Acute toxicity from inhalation

CL50 (Rat): 124.7 mg/l
Exhibition time: 4 h

Components:

Alcohol:

Species: Rabbit
Method: OECD Test Guideline 404
Result: Does not irritate the skin

Components:

Alcohol:

Species: Rabbit
Result: Irritation to the eyes, reversible after 21 days
Method: OECD Test Guideline 405

Components:

Alcohol:

Test Type: Local Lymph Node Assay (LLNA)
Exposure route: Skin contact
Species: Mouse
Negative result

Components:**Alcohol:**

In vitro genotoxicity	Test Type: Cell Mutation Genetic Mutation Assay in vitro mammal. Negative result
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In vitro genotoxicity	Test Type: Rodent Dominant Lethality Test (germ cell) (in vitro) Species test: Mouse Application route: Ingestion Negative result
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Components:**Alcohol:**

Effects on fertility	Test Type: Reproductive toxicity study in two generations Species: Mouse Application route: Ingestion
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Method: OECD Test Guideline 416 Negative result

Specific target organ toxicity (stot) - single exposure

It is not classified based on available information.

Components**Alcohol:**

Species: Rat NOAEL: 2,400 mg / kg Application route: Ingestion Exposure time: 2m

Aspiration toxicity

Not classified based on available information

XII Toxicology Info

Components:**Alcohol:**

Fishes	LC50 (Pimephales promelas (Fathead fish)): > 1,000 mg / l Exposure time: 96
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Fish toxicity	EC50 (Daphnia magna (Large Sea Flea)): > 1,000 mg / l Exposure time: 48 h
Algae toxicity	EC50 (Chlorella vulgaris (freshwater algae)): 275 mg / l Exposure time: 72 h Method: OECD TG 201

Daphnia toxicity and other aquatic invertebrates (Chronic toxicity)	NOEC (Daphnia magna (Large Sea Flea)): 9.6 mg / l Exposure time: 9 d
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Bacterial toxicity	EC50 (Photobacterium phosphoreum): 32.1 mg / l Exposure time: 0.25 h
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Persistence and degradability**Components:****Alcohol:**

Biodegradability	Result: Readily biodegradable. Biodegradation: 84% Exposure time: 20 d
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XIII Information regarding disposal**Disposal methods.**

Waste	Eliminate, watching current local rules.
Contaminated packaging	Remove as unused products. Empty containers must be brought to a approved waste management, for recycling or elimination.

XIV Transport information

International regulation

IATA-DGR	
No. UN/ID	UN 1987
Official designation of transport of nations United (Ethanol, Propan-2-ol)	Alcohols, n.e.p
Class	3
Packing group	III
Packing instruction (cargo plane)	366

Packing instruction (passenger plane)	355
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Code-IMDG	
UN number	UN 1987
Official designation of transport of nations United	ALCOHOLS, N.O.S.

(Ethanol, Propan-2-ol)	
Class	3
Packing group	III
Labels	3
EmS Code	F-E, S-D

Marine pollutant	no
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Domestic regulation

NOM-002-SCT	
UN number	UN 1987
Official designation of transport of nations United	ALCOHOLS, N.O.S.

(Ethanol, Propan-2-ol)	
Class	3
Packing group	III
Labels	3

Special precautions for users

Does not apply

XVI Other information including those related to the preparation and updating of data sheets of security

The information provided in this Safety Data Sheet is the most correct that we have at the date of its publication and should not be considered as a guarantee or quality specification or as a product data sheet. It is simply informative in product identification, handling and storage.

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