

HAND SANITISER

(80% v/v)

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifier

Product name	HAND SANITISER
Synonyms	-
Proper shipping name	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Other means of identification	Not Available

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Alcohol hand sanitiser
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Details of the supplier of the safety data sheet

Registered company name	Biodelta PTY LTD
Address	PO Box 100 Simondium 7670
Telephone	021 874 2936
Website	www.biodelta.net
Email	pharmacist@biodelta.net

Emergency telephone number

Association / Organisation	Poisons Information Centre
Emergency telephone numbers	0861 555 777
Other emergency telephone numbers	Not Available

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

HAZARDOUS CHEMICAL. DANGEROUS GOODS. According to the WHO Technical Safety Information

Poisons Schedule	None
GHS Classification [1]	Flammable Liquid Category 2, Eye Irritation Category 2A

Label elements

GHS label elements	 <p>KEEP OUT OF REACH OF CHILDREN EXTERNAL USE ONLY KEEP AWAY FROM FLAMES AND HEAT WARNING IRRITANT</p>
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SIGNAL WORD	WARNING
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Hazard statement(s)

	Highly flammable liquid and vapour
	Causes serious eye irritation

Precautionary statement(s) Prevention

	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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Precautionary statement(s) Response

	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice / attention.
	In case of fire: Use alcohol resistant foam or normal protein foam for extinction.

Precautionary statement(s) Storage

	Store in a well-ventilated place. Keep container tightly closed.
	Protect from sunlight. Keep cool.

Precautionary statement(s) Disposal

	Dispose of contents / container in accordance with local government regulations.
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SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Substances

See section below for composition of Mixtures

Mixture Ingredient list

Ethanol, Water, Glycerol and Hydrogen Peroxide
(80% v/v)

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4 FIRST AID MEASURES

Description of first aid measures

Eye Contact	If this product comes in contact with the eyes: Wash out immediately with fresh running water for 10 to 15 minutes. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. If pain persists or recurs seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	In the event of irritation or rash discontinue use of the product. If irritation persists seek medical advice / attention.
Inhalation	If respiratory irritation occurs remove patient from area where the product is being used. If patient feels unwell seek medical advice / assistance.
Ingestion	If swallowed do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Seek medical advice.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 FIREFIGHTING MEASURES

Extinguishing media

Extinguishing media	Alcohol stable foam. Dry chemical powder. BCF (where regulations permit). Carbon dioxide. Water spray or fog - Large fires only.
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Special hazards arising from the substrate or mixture

Fire incompatibility	Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result
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Advice for firefighters

Fire Fighting	Alert Fire Brigade and tell them location and nature of hazard. May be violently or explosively reactive. Wear breathing apparatus plus protective gloves in the event of a fire. Prevent, by any means available, spillage from entering drains or water course. Consider evacuation (or protect in place). Fight fire from a safe distance, with adequate cover. If safe, switch off electrical equipment until vapour fire hazard removed. Use water delivered as a fine spray to control the fire and cool adjacent area. Avoid spraying water onto liquid pools. Do not approach containers suspected to be hot.
Fire/Explosion Hazard	Liquid and vapour are highly flammable. Severe fire hazard when exposed to heat, flame and/or oxidisers. Vapour may travel a considerable distance to source of ignition. Heating may cause expansion or decomposition leading to violent rupture of containers. On combustion, may emit toxic fumes of carbon monoxide (CO), carbon dioxide (CO ₂), silicon dioxide (SiO ₂) and other pyrolysis products typical of burning organic material.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Minor Spills	<p>Remove all ignition sources.NO SMOKING Clean up all spills immediately. Avoid breathing vapours and contact with eyes. Contain and absorb small quantities with vermiculite or other absorbent material. Wipe up. Collect residues in a flammable waste container.</p>
Major Spills	<p>NO SMOKING, naked lights or ignition sources. May be violently or explosively reactive. Prevent, by any means available, spillage from entering drains or water course. Consider evacuation (or protect in place). Increase ventilation. Stop leak if safe to do so. Water spray or fog may be used to disperse/absorb vapour. Absorb on sand, dirt, vermiculite or similar absorbent material. Place into labelled drums and dispose of according to local government regulations. Immediately notify emergency services (Police or Fire Brigade) if the spill is too large for you to safely and effectively handle.</p>
	<p>Personal Protective Equipment advice is contained in Section 8 of the SDS.</p>

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling

Safe handling	<p>Containers, even those that have been emptied, may contain explosive vapours. Do NOT cut, drill, grind, weld or perform similar operations on or near containers. Use in a well-ventilated area. Prevent concentration in hollows and sumps. DO NOT enter confined spaces until atmosphere has been checked. Avoid smoking, naked lights, heat or ignition sources When handling DO NOT eat, drink or smoke.</p>
Other information	<p>Store in original containers in approved flame-proof area. No smoking, naked lights, heat or ignition sources. DO NOT store in pits, depressions, basements or areas where vapours may be trapped. Keep containers securely sealed. Store away from incompatible materials in a cool, dry and well ventilated area. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling recommendations contained within this SDS.</p>

Conditions for safe storage, including any incompatibilities

Suitable container	<p>Packaging as supplied by the manufacturer. Plastic containers may only be used if they are approved for containing flammable liquids. Check that containers are properly labelled and free from leaks.</p>
Storage incompatibility	<p>Avoid caustics, strong acids oxidising agents and nitrates. Dissolves rubber, many plastics, resins and some coatings.</p>

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls

Appropriate engineering controls	<p>Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate. If ventilation is poor, then the use of a local exhaust ventilation system is recommended.</p>
Personal protection	<p>Not usually necessary due to physical nature of the product.</p>
Eye and face protection	<p>Not usually necessary due to physical nature of the product. Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. Lens should be removed at the first signs of eye redness or irritation. Lens should be removed in a clean environment only after workers have washed hands thoroughly.</p>
Skin protection	<p>See Hand protection below</p>
Hands/feet protection	<p>Not necessary</p>
Body protection	<p>See Other protection below</p>
Other protection	<p>Eyewash unit.</p>
Thermal hazards	<p>Not Available</p>

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Clear Viscous Liquid		
Physical state	Liquid	Relative density (Water = 1)	1
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Available	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Available
Flash point (°C)	Not Available	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	FLAMMABLE.	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water (g/L)	Completely Soluble	pH as a solution (1%)	Not Applicable
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

SECTION 10 STABILITY AND REACTIVITY

Reactivity	See section 7
Chemical stability	Unstable in the presence of incompatible materials. Product is considered stable. Hazardous polymerisation will not occur.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

SECTION 11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Inhaled	There is some evidence to suggest that the material can cause respiratory irritation in some persons. The body's response to such irritation can cause further lung damage.
Ingestion	Accidental ingestion of the material may be damaging to the health of the individual.
Skin Contact	Skin contact is not thought to have harmful health effects (as classified under EC Directives); Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.
Eye	There is evidence that material may produce eye irritation in some persons and produce eye damage 24 hours or more after instillation. Severe inflammation may be expected with pain. Discomfort may last 2 days but usually the injury heals without treatment.
Chronic	No relevant data is available

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

Not thought to be ecotoxic

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
ethanol, denatured	LOW (Half-life = 2.17 days)	LOW (Half-life = 5.08 days)

Bio accumulative potential

Ingredient	Bioaccumulation
ethanol, denatured	LOW (LogKOW = -0.31)

Mobility in soil

Ingredient	Mobility
ethanol, denatured	HIGH (KOC = 1)

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product / packaging disposal	Recycle containers whenever possible. Product residues and containers should be disposed of in accordance with local government regulations.
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SECTION 14 TRANSPORT INFORMATION

Labels Required

	   
Marine Pollutant	NO
HAZCHEM	2YE

Land transport (ADG)

UN number	TBC				
Packing group	II				
UN proper shipping name	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)				
Environmental hazard	No relevant data				
Transport hazard class	<table border="1"> <tr> <td>Class</td> <td>3</td> </tr> <tr> <td>Sub risk</td> <td>Not Applicable</td> </tr> </table>	Class	3	Sub risk	Not Applicable
Class	3				
Sub risk	Not Applicable				
Special precautions for user	<table border="1"> <tr> <td>Special provisions</td> <td>144</td> </tr> <tr> <td>Limited quantity</td> <td>1L</td> </tr> </table>	Special provisions	144	Limited quantity	1L
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SECTION 15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation specific for the substance or mixture

ETHANOL, DENATURED (64-17-5.) IS FOUND ON THE SA REGULATORY LISTS

SECTION 16 OTHER INFORMATION

DISCLAIMER:

All information appearing herein is based upon data obtained from raw material manufacturers and/or recognized technical sources. While the information above is believed to be true and accurate, the author makes no representations as to its accuracy or sufficiency. Conditions of use are beyond the control of the manufacturer and therefore the users are responsible to verify this data under their own particular conditions of use, applications and regulations to determine whether the product is suitable for their particular purpose and they assume all risks of their use, handling, disposal, reliance upon, publication or use of the information contained herein. This information applies only to the product designated above and does not necessarily apply to its use in combination with other materials, products, chemical compounds, structures or processes.

DIRECTIONS FOR USE

Use suitable quantity on hands, cover all areas and rub thoroughly. Allow to air dry. Rinsing not necessary.

WARNINGS

- Highly flammable.
- Avoid contact with eyes.
- External use only.
- KEEP OUT OF REACH OF CHILDREN
- Warning irritant.

STORAGE

Keep away from ignition sources. Store in a cool dry area in original, tightly sealed container, away from direct sunlight.

INGREDIENTS

Ethanol (80% v/v), Aqua, Glycerol, Hydrogen Peroxide



Liquid Sanitiser

FOR HANDS & SURFACES

80% ALCOHOL

- Kills 99,9% of viruses, bacteria and germs
- Quick drying, no sticky residue
- Soft on hands
- Safe for the whole family

ADVANCED FORMULA

Recommended by World Health Organization

5L

FIRST AID MEASURES

EYE CONTACT:

Rinse thoroughly with plenty of water or buffered eyewash for at least 15 minutes. Seek medical attention.

INHALATION:

Move to fresh air. In event of breathing difficulties or if irritation persists, seek medical attention promptly.

INGESTION:

Do not induce vomiting. Seek medical attention urgently and show the label, if possible.

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biodelta
NUTRACEUTICALS

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