SAFETY DATA SHEET
Abena Hand Disinfectant Gel 85%

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Date issued	23.08.2013

1.1. Product identifier

Product name	Abena Hand Disinfectant Gel 85%
Article no.	6913

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

Use of the substance/preparation	Hand disinfection

1.3. Details of the supplier of the safety data sheet

Manufacturer

Company name	Abena A/S
Postal address	Egelund 35
Postcode	DK-6200
City	Aabenraa
Country	Denmark
Tel	+45 74 31 18 18
E-mail	info@abena.com
Website	http://www.abena.com

1.4. Emergency telephone number

Emergency telephone	For poisoning emergencies, call:NHS Direct - 0845 4647 (24h/24h)

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

Classification according to 67/548/EEC or 1999/45/EC	F; R11
Substance / mixture hazardous properties	The product is highly flammable.

2.2. Label elements

Hazard symbol

R-phrases	R11 Highly flammable.
S-phrases	S2 Keep out of the reach of children. S16 Keep away from sources of ignition - No smoking. S46 If swallowed, seek medical advice immediately and show this container or label.
Supplemental label information	PT1 Human hygiene biocidal products Formulation type: liquid gel For private and professional use.

2.3. Other hazards

PBT / vPvB: The chemical contains no PBT or vPvB substances.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents
Ethanol	CAS no.: 64-17-5 EC no.: 200-578-6 Index no.: 603-002-00-5 Synonyms: Ethanol	F; R11 Flam. Liq. 2; H225	60 - 85 %
2-Propanol	CAS no.: 67-63-0 EC no.: 200-661-7 Index no.: 603-064-00-3 Synonyms: Isopropanol, Propan-2-ol	Xi, F; R11, R36, R67 Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE3; H336	1 - 5 %
Glycerine	CAS no.: 56-81-5 EC no.: 200-289-5 Synonyms: Glycerol		1 - 5 %

Column headings: CAS no. = Chemical Abstracts Service; EU (Einecs or Elincs number) = European inventory of Existing Commercial Chemical Substances; Ingredient name = Name as specified in the substance list (substances that are not included in the substance list must be translated, if possible). Contents given in; %, %wt/wt, %vol/wt, %vol/vol, mg/m3, ppb, ppm, weight%, vol%

HH/HF/HE: T+ = Very toxic, T = Toxic, C = Corrosive, Xn = Harmful, Xi = Irritating, E = Explosive, O = Oxidizing, F+ = Extremly flammable, F = Very flammable, N = Environmental hazard

Substance comments: See section 16 for explanation of Risk-phrases (R) and hazard statements (H) listed above.

SECTION 4: First aid measures

4.1. Description of first aid measures

General: If in doubt, seek medical advice.

Inhalation: Fresh air. Get medical attention if any discomfort continues.

Skin contact: The product is intended for skin contact.

Eye contact: Immediately rinse with water for several minutes. Remove any contact lenses. Hold the eyelids apart. Contact physician if discomfort continues.

Ingestion: Immediately rinse mouth and drink plenty of water (200-300 ml). Do not induce vomiting. Contact physician if larger quantity has been consumed.

4.2. Most important symptoms and effects, both acute and delayed

Acute symptoms and effects: Inhalation: vapours may cause drowsiness and dizziness.
Skin contact: no symptoms.
Eye contact: temporary eye irritation.
Ingestion: may cause discomfort if swallowed, may cause similar symptoms to those resulting from inhalation.

4.3. Indication of any immediate medical attention and special treatment needed

Other Information: Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Dry-powder, carbon dioxide (CO_2), water mist, alcohol resistant foam.

Improper extinguishing media: Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards: The chemical is highly flammable. Can form explosive gas-air mixtures.

	Vapours are heavier than air and may spread near ground to sources of ignition.
Hazardous combustion products	Carbon dioxide (CO2). Carbon monoxide (CO).

5.3. Advice for firefighters

Personal protective equipment	Use compressed air equipment when the chemical is involved in fire. In case of evacuation, an approved protection mask should be used. See also section 8.
Other Information	Containers close to fire should be removed immediately or cooled with water. Extinguishing water must not be discharged into drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Remove all ignition sources and ventilate the area. Do not breathe vapour. Use protective equipment as referred to in section 8.

6.2. Environmental precautions

Environmental precautionary measures	Do not allow to enter into sewer, water system or soil. Contact local authorities in case of spillage to drain/aquatic environment.

6.3. Methods and material for containment and cleaning up

Cleaning method	Absorb spillage with non-combustible, absorbent material. Collect in a suitable container and dispose as hazardous waste according to section 13.

6.4. Reference to other sections

Other instructions	See also sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Use biocides safely. Always read the label and product information before use. Provide good ventilation. Avoid inhalation of vapours.

Protective Safety Measures

Safety Measures To Prevent fire	Smoking and naked flames and other ignition sources are prohibited. Take precautionary measures against static discharges.
Advice on general occupational hygiene	Do not eat, drink or smoke during work.

7.2. Conditions for safe storage, including any incompatibilities

Storage	Store in accordance with regulations for flammable goods. Store in a tightly closed container in a cool, well-ventilated room, protected from direct sunlight.
Special risks and properties	The vapours are heavier than air and will spread along the floor. The vapours may form explosive mixtures with air.

Conditions for safe storage

Advice on storage compatability	Keep away from: Oxidizing agents. Food and animal feed.

7.3. Specific end use(s)

Specific use(s)	See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure limit values

Substance	Identification	Value	TWA Year
Ethanol	CAS no.: 64-17-5 EC no.: 200-578-6 Index no.: 603-002-00-5 Synonyms: Ethanol	8-hour TWA: 1000 ppm 8-hour TWA: 1920 mg/m3	2011

Propan-2-ol	CAS no.: 67-63-0 EC no.: 200-661-7 Index no.: 603-064-00-3 Synonyms: Isopropanol, Propan-2-ol	8-hour TWA: 400 ppm 8-hour TWA: 999 mg/m³ 15 min.: 500 ppm 15 min.: 1250 mg/m³	2007
Glycerine	CAS no.: 56-81-5 EC no.: 200-289-5 Synonyms: Glycerol	8-hour TWA: 10 mg/m³ (mist)	2007

8.2. Exposure controls

Occupational exposure limits: Provide adequate ventilation. An eye wash bottle must be available at the work site. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Respiratory protection

Respiratory protection: Normally not required. If there is insufficient ventilation, use a respirator with type A-filter.

Hand protection

Hand protection: Not relevant. The chemical is intended for skin contact.

Eye / face protection

Eye protection: Normally not necessary. Wear splash-proof eye goggles to prevent any possibility of eye contact.

Skin protection

Skin protection (except hands): Ordinary workwear.

Appropriate environmental exposure control

Environmental exposure controls: Do not allow to enter into sewer, water system or soil.

Other Information

Other Information: The listed protective equipment is a recommendation. A risk assessment of the actual risk may lead to other requirements.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Viscous liquid. / Gel
Colour	Clear Colourless.
Odour	Odour of alcohol.
Comments, Odour limit	Not determined.
pH (as supplied)	Value: 6,0-8,0
Comments, Melting point / melting range	Not determined.
Comments, Boiling point / boiling range	Not determined.
Flash point	Value: < 21 °C
Comments, Evaporation rate	Not determined.
Flammability (solid, gas)	Not determined.
Comments, Explosion limit	Not determined.
Vapour pressure	Value: 44 mmHg
Vapour density	Value: > 1 Reference gas: air = 1
Specific gravity	Value: 0,84 kg/dm³ (20 °C)
Solubility description	Miscible with water. Miscible with organic solvents.
Comments, Partition coefficient: n-octanol / water	Not determined.
Comments, Spontaneous combustability	Not determined.

Viscosity	Value: > 400 cPs (20 °C)
Explosive properties	Not explosive, but vapors may form explosive mixtures with air.
Oxidising properties	Not oxidising.

9.2. Other information

Other physical and chemical properties

Comments	No further information is available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No test data available. Vapors may form explosive mixtures with air.

10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Arise in contact with incompatible materials (section 10.5) and inappropriate conditions (section 10.4).

10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid	Strong oxidising substances. Aluminium.

10.6. Hazardous decomposition products

Hazardous decomposition products	None under normal conditions. See also section 5.2.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Potential acute effects

Inhalation	Vapours may cause headache, fatigue, dizziness and nausea.
Skin contact	The product is intended for skin contact. No known symptoms.
Eye contact	May cause temporary eye irritation.
Ingestion	May cause discomfort if swallowed. Ingestion may cause similar symptoms to those resulting from inhalation.

Delayed effects / repeated exposure

Sensitisation	Based on available data, the classification criteria are not met.
Repeated dose toxicity	Based on available data, the classification criteria are not met.

Carcinogenic, Mutagenic or Reprotoxic

Carcinogenicity	Based on available data, the classification criteria are not met.
Mutagenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.2. Persistence and degradability

Persistence and degradability	The components contained in the chemical are readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential	The chemical is not expected to be bioaccumulative.

12.4. Mobility in soil

Mobility	Miscible with water. The product contains volatile organic compounds (VOC)

which will evaporate easily from all surfaces.

12.5. Results of PBT and vPvB assessment

PBT assessment results	The mixture does not meet current criteria for PBT (Persistent, bioaccumulative and toxic).
vPvB evaluation results	The mixture does not meet current criteria for vPvB (very persistent and very bioaccumulative).

12.6. Other adverse effects

Other adverse effects / Remarks	Do not allow to enter into sewer, water system or soil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Disposed of as hazardous waste by approved contractor. The waste code (EWC-Code) is intented as a guide. The code must be chosen by the user, if the use differs from the one mentioned below.
Product classified as hazardous waste	Yes
EWC waste code	EWC: 07 07 04* other organicsolvents, washing liquids and mother liquors

SECTION 14: Transport information

14.1. UN number

ADR	1987
RID	1987
IMDG	1987
ICAO/IATA	1987
Comments	May be transported in limited quantities if placed in outer packaging according to ADR 3.4, when max 1 liter/inner packaging and max. 30 kg total gross mass. Shrink- or stretch wrapped trays may be used and shall not exceed 20 kg total gross mass/tray.

14.2. UN proper shipping name

ADR	ALCOHOLS, N.O.S. (ethanol, 2-propanol)
RID	ALCOHOLS, N.O.S. (ethanol, 2-propanol)
IMDG	ALCOHOLS, N.O.S. (ethanol, 2-propanol)
ICAO/IATA	ALCOHOLS, N.O.S. (ethanol, 2-propanol)

14.3. Transport hazard class(es)

ADR	3
Hazard no.	33
RID	3
IMDG	3
ICAO/IATA	3

14.4. Packing group

ADR	II
RID	II
IMDG	II
ICAO/IATA	II

14.5. Environmental hazards

IMDG Marine pollutant	No

14.6. Special precautions for user

ADR additional information	Tunnel restriction code (D/E)
IMDG Additional information	Fp < 21 °C c.c.
EmS	F-E, S-D

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Pollution category	Not relevant.

SECTION 15: Regulatory information

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

References (laws/regulations)	CHIP Regulations. The Chemicals (Hazard Information and Packaging for Supply) Regulation. Commission Regulation (EU) No 453/2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex II Safety Data Sheets. EH40/2005 Workplace exposure limits, with later amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. The Hazardous Waste (England and Wales) Regulations 2005 with amendments. Dangerous Goods regulations Directive 98/8/EC of the European Parliament and of the Council of 16 February 1998 concerning the placing of biocidal products on the market.

15.2. Chemical safety assessment

Chemical safety assessment performed	No

SECTION 16: Other information

Supplier's notes	The information contained in this SDS must be made available to all those who handle the product.
List of relevant R-phrases (under headings 2 and 3).	R36 Irritating to eyes. R11 Highly flammable. R67 Vapours may cause drowsiness and dizziness.
List of relevant H-phrases (Section 2 and 3).	H225 Highly flammable liquid and vapour. H336 May cause drowsiness or dizziness. H319 Causes serious eye irritation.
Abbreviations and acronyms used	PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative
Important data sources used to construct the safety data sheet	The Safety Data Sheet is based on information provided by the producer.
Responsible for safety data sheet	Abena A/S