

# SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC

## DAX Alcogel Pear & Lily hygienic hand sanitizer gel

Version: 2      Previous Issue / Date of last revision      Date of issue: 06. 05. 2018      Oldal: 1/(12)  
(manufacturers): 09. 10. 2014 / 26. 10. 2015      Latest revision: 02. 03. 2020

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

1.1 Product identifier:

**DAX Alcogel Pear & Lily hygienic hand sanitizer gel**

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

Relevant identified uses: hand sanitizer

Uses advised against: not suitable for surface disinfection.

1.3 Details of the supplier of the safety data sheet:

Supplier details:

CCS Hygien A/S  
Hyllie Stationstorg 2, 5tr  
21532, Malmö  
Sverige  
+46(0)406801540  
E-mail: info@ccshygien.se  
<http://www.ccshygien.se>

Distributor details:

Plum Magyarország Kft  
8200 Veszprém, Erdész u. 4.  
Tel.: + 36 88 326006  
Fax: + 36 88 326006  
E-mail: info@plum.hu  
<http://plum.hu>

1.4 Emergency telephone number

Health Toxicological Information Service (ETTSZ 1096 Budapest, Nagyvárad tér 2.)  
Tel.: +36 80 201 199 (0-24 h, free number).

### SECTION 2 Hazards identification

2.1 Classification of the mixture or substance

Hazard Class and Category:      Hazard statement:

Flam. Liq. 2      H225      Highly flammable liquid and vapour.

Eye Irrit. 2      H319      Causes serious eye irritation.

2.2 Label elements

Product identification:      Trade name:      **DAX Alcogel Pear & Lily hygienic hand sanitizer gel**

Hazardous components:      -

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GHS Pictogram:



Signal word:

**Danger**

Hazard statement:

**H225**      Highly flammable liquid and vapour.

**H319**      Causes serious eye irritation.

Supplemental hazard information: -

Precautionary statements – General:

**P101**      If medical advice is needed, have product container or label at hand

**P102**      Keep out of reach of children.

Precautionary statements – Prevention:

**P210**      Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**P233**      Keep container tightly closed.

Precautionary statements – Response:

**P305 + P351 + P338**      IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P337 + P313**      If eye irritation persists: Get medical advice/attention.

Precautionary statements – Storage: -

Precautionary statements – Disposal:

**P501**      Dispose of contents/container in accordance with national regulation.

Other liabilities for labelling:

Tactile warning of danger: required for distribution population.

Transport classification: see section 14.

**2.3 Other hazards**

The product does not contain any PBT or vPvB substance according to annex XIII of regulation (EC) 1907/2006.

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### SECTION 3      Composition/information on ingredients

#### 3.2      Mixtures

Chemical description:      A mixture of the following substances.

Component(s) / Hazardous component(s):

Name	EC number	CAS number	Hazard classes and cat.	Hazard statements	Conc. % (m/m)
Ethanol REACH Registr. Nr.: 01-2119457610-43	200-578-6	64-17-5	Flam. Liq. 2 Eye Irrit. 2	H225 H319	60-90
Isopropyl alcohol REACH Registr. Nr.: 01-2119457558-25	200-661-7	67-63-0	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	H225 H319 H336	5-15
Glycerol REACH Registr. Nr.: not necessary	200-289-5	56-81-5	-	-	<1
Tert-butyl alcohol REACH Registr. Nr.: not necessary	200-889-7	75-65-0	Flam. Liq. 2 Eye Irrit. 2 Acute Tox. 4 STOT SE 3	H225 H319 H332 H335	<1
2-amino-2-methylpropanol REACH Registr. Nr.: not necessary	204-709-8	124-68-5	Skin Irrit. 2 Eye Irrit. 2	H315 H319	<0.1

The full text of each relevant H- phrase and Hazard classes and cat. see in Section 16.

### SECTION 4      First aid measures

#### 4.1      Description of first aid measures

General information:      Never give anything by mouth to an unconscious person, or never induce vomiting.

Inhalation:      Remove exposed person to fresh air and keep warm.

Skin contact:      In case of accidental skin contact: wash with water. If irritation persists, obtain medical attention.

Eye contact:      Flush immediately with plenty of running water for at least 10-15 minutes, holding the eyelids open. Remove contact lenses, if present and easy to do. Get medical attention.

Ingestion:      Do not induce vomiting. Rinse mouth thoroughly. Drink 200-300 ml of water. Immediately get medical attention.

Protection of first-aid person:      Direct contact with the substance, inhalation of vapors should be avoided.

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- 4.2 Most important symptoms and effects, both acute and delayed  
In high concentration and prolonged exposure the vapours are narcotic if inhaled.  
Inhalation of vapours may cause drowsiness, indisposition, stomachache, headache, depression, and unconsciousness.  
Prolonged and/or repeated contact may cause skin irritation, depending on individual sensitivity. May be irritating to eyes.
- 4.3 Indication of any immediate medical attention and special treatment need  
Treat symptomatically.

### **SECTION 5      Fire-fighting measures**

Fire hazards:  
Flammable.

- 5.1 Extinguishing media  
Suitable extinguishing media:  
Alcohol-resistant foam, dry chemical, water spray, CO<sub>2</sub>.

Unsuitable extinguishing media:  
Water jet.

- 5.2 Special hazards arising from the mixture or substance  
Hazardous combustion products:  
On burning carbon-monoxide, carbon dioxide can be formed.

- 5.3 Advice for fire-fighters  
Special protective equipment:  
According to the existing fire-fighting regulations. Respiratory protection.

Further information:  
Vapors are heavier than air and may spread along floors, may ignite under the influence of an ignition source.  
If possible, remove the product from fire.  
Cool containers exposed to fire with water spray from safe distance.  
Vapours may form explosive mixture with air.

### **SECTION 6      Accidental release measures**

- 6.1 Personal precautions, protective equipment and emergency procedures  
Personal precautions: see Section 8.  
Keep away from sources of ignition. –No smoking.  
Avoid contact with eyes, inhalation of vapours.  
Danger of slipping on leaked out/spilled product.

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- 6.2 Environmental precautions:  
Prevent spills from entering into natural water, soil and drains by containing the liquid.  
Notify relevant authority.
- 6.3 Methods and material for containment and cleaning up  
On soil:      Keep away from all sources of ignition - No smoking. Stop leak if you can do so without risk. Sufficient ventilation should be provided. Use non-sparking, explosion-proof devices. Collect spillage with non-combustible liquid-absorbent material (sand, diatomaceous earth, acid binder, universal liquid binder) and place in an appropriate storage container. Dispose of as hazardous waste.  
Dispose of according to local regulations. Clean up with large amount of water the contaminated area.  
On water:      Notify local authorities according to regulations.
- 6.4 Reference to other sections  
Personal precautions: see section 8.  
Waste treatment methods: see section 13.

**SECTION 7      Handling and storage**

- 7.1 Precautions for safe handling  
Keep general measures applied for normal operations with chemicals and flammable liquids.  
Take precautionary measures against static discharges.  
Keep material away from and open flame. No smoking.  
Adequate ventilation required.  
Vapors may form explosive mixture with air.  
Avoid contact with eyes, inhalation of vapours.  
Ensure washing facilities after working hours and before breaks.  
When using do not eat or drink and do not smoke.  
Handling temperature: no data.
- 7.2 Conditions for safe storage, including any incompatibilities  
Keep general measures applied for safe storage for flammable liquids.  
Store in cool, well-ventilated area, in original, radiant heat, open flame and strong oxidizing agents.  
Storage temperature: 0-30°C.
- 7.3 Specific end use(s)  
Hand sanitizer.

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### SECTION 8      Exposure controls / personal protection

Engineering control measures:

Adequate ventilation.

#### 8.1      Control parameters:

*Isopropyl alcohol:*      TLV (TWA)      980 mg/m<sup>3</sup> (400 ppm)  
*USA [ACGIH]*

*Ethanol:*      TLV (TWA)      1920 mg/m<sup>3</sup> (1000 ppm)

#### 8.2      Exposure controls

Personal protection:

Respiratory protection:      Under normal conditions not required. In case of exceeded exposure-limits (respiratory protection with particle-filter (typ. A) is recommended (EN 14387).

Hand protection:      Protective gloves if there is a risk of prolonged skin contact (EN 374).

Eye protection:      Where splashing is possible, wear protective goggles (EN 166).

Skin protection:      Protective clothing.

Other special:      Personal protective equipment is primarily for working with large quantities, or required in the event of an accident.  
An emergency eye wash station shall be available at the workplace.

Environmental exposure controls:

Do not discharge into drains/surface waters/groundwater.

### SECTION 9      Physical and chemical properties

#### 9.1      Information on basic physical and chemical properties

Appearance:

Physical state:      liquid (gel)

Colour:      colorless

Odour:      perfumed

Change in physical state:

Pour point:      no data

Boiling point:      80°C

Others:

Flash point:      ca. 18°C

Ignition point:      no data

Autoignition temperature:      no

Vapor density (air = 1):      >1

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Explosive properties:	formation of explosive air/steam mixtures is possible.
Explosion limits: lower/upper:	no data
Decomposition temperature:	no data
Oxidizing properties:	no data
Vapour pressure at 20°C:	no data
Density at 20°C:	0.837 – 0.942 g/cm <sup>3</sup>
Solubility in water:	soluble
Thermal decomposition:	no data
n-Octanol/water partition coefficient:	no data
pH (undiluted):	6-8
Viscosity at 20 °C:	300-500 mPas

9.2 Other information  
No data.

**SECTION 10 Stability and reactivity**

10.1 Reactivity:	Strong oxidizing agents.
10.2 Chemical stability:	No decomposition if stored and handled properly.
10.3 Possibility of hazardous reactions:	Contact with strong oxidizing agents may cause the product to heat up and create explosive vapors.
10.4 Conditions to avoid:	Keep away from sources of ignition - Avoid overheating.
10.5 Incompatible materials:	Strong oxidizing agents.
10.6 Hazardous decomposition products:	No dangerous decomposition products are formed under normal conditions. Hazardous combustion products: See Section 5.

**SECTION 11 Toxicological information**

11.1 Information on toxicological effects  
Acute toxicity: No data for the product.

*Components:*

*Ethanol:*

Oral:	LD <sub>50</sub> (rat)	>6200 mg/kg	(IUCLID)
Inhalation:	LC <sub>50</sub> (mouse)	124.7 mg/l/4 /h	

*Tert-butyl alcohol:*

Inhalation:	LC <sub>50</sub> (mouse)	30 mg/l/4 /h
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Acute toxicity: irritation

Skin contact:      not irritant (based on components)

Eye contact:      irritant (based on components)

Respiratory or skin sensitisation:      not sensitising (based on components)

Other information, specific effects:

Germ cell mutagenicity:      not known, resp. not mutagen (based on components)

Carcinogenicity:      not known, resp. not carcinogen (based on components)

Reproductive toxicity:      not known, resp. no reproduction-damaging effect  
(based on components)

STOT-single exposure:      not classified

STOT-repeated exposure:      not classified

Aspiration hazard:      not classified

**SECTION 12      Ecological information**

12.1 Toxicity      No data available for the preparation.

*Components:*

*Ethanol:*

Fish (*Leuciscus idus*):      8140      >100 mg/l (48 h) (IUCLID)

Algae (*Scenedesmus quadricauda*):      IC<sub>5</sub>      5 000 mg/l (IUCLID)

Daphnia (*Daphnia magna*):      EC<sub>50</sub>      9268-14221 mg/l (48 h) (IUCLID)

Bacterium (*Pseudomonas putida*):      EC<sub>5</sub>      6500 mg/l (16 h)

The product contains <0.5% substance that is toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

The product contains <0.1% substance which is harmful to aquatic organisms.

12.2 Persistence and degradability

Biodegradability:      The product is readily biodegradable.

12.3 Bioaccumulative potential

Bioaccumulation is not expected.

12.4 Mobility

Mobility in soil:      No data.

Mobility in water:      Soluble in water.

12.5 Results of PBT and vPvB assessment

Does not contain PBT and vPvB substances.

12.6 Other adverse effects

Environmental effects:      Large spills may be hazardous to the environment.

Water hazard class (German):      -



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**SECTION 13    Disposal considerations**

**13.1 Waste treatment methods**

**Product disposal:**

Wastes of the product or used oil should be treated as hazardous waste.

Waste Identification Code: 07 06 04\*

Other organic solvents, washing liquids and mother liquors.

Waste Identification Code: 16 03 05\*

Organic wastes containing dangerous substances. (manufacturer's recommendation)

Disposal must be in compliance with national and local regulations.

**Packaging disposal:**

Containers with product residue should also be treated as hazardous waste according to national and local disposal regulations.

Waste Identification Code: 15 01 10\*

Packaging containing residues of or contaminated by dangerous substances.

Recommended waste treatment method: incineration.

Contaminated packaging can be recycled after cleaning.

Disposal must be in compliance with national and local regulations.

**Wastewater:**

Quality of wastewater emitted to natural water must comply with national and local regulations.

Care should be taken in any case to ensure compliance with EC, national and local regulations. It is the responsibility of the user to know all relevant national and local regulations.

**SECTION 14    Transport information**

**Land transport:**

Road/ Railway

ADR/RID:

14.1 UN number:

1987

14.2 UN proper shipping name:

ALCOHOLS, N.O.S.  
(Ethanol, Isopropyl alcohol)

14.3 Transport hazard class(es):

3

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14.4 Packing group: II  
14.5 Environmental hazards: no  
14.6 Special precautions for user:  
Classification code: F1  
Label: 3  
Limited and discounted quantity: LQ 7 / E1  
Hazard identification No.: 30

Waterways:

14.1 UN number: 1987  
14.2 UN proper shipping name: ALCOHOLS, N.O.S.  
(Ethanol, Isopropyl alcohol)  
14.3 Transport hazard class(es): 3  
14.4 Packing group: II  
14.5 Environmental hazards: no  
14.6 Special precautions for user:  
EMS No.: F-E, S-D

Air transport: ICAO / IATA:

14.1 UN number: 1987  
14.2 UN proper shipping name: ALCOHOLS, N.O.S.  
(Ethanol, Isopropyl alcohol)  
14.3 Transport hazard class(es): 3  
14.4 Packing group: II  
14.5 Environmental hazards: no  
14.6 Special precautions for user: -

**SECTION 15 Regulatory information**

- 15.1 Safety, health and environmental regulations/legislation specific for the mixture or substance.  
This safety data sheet has been prepared according to Regulation (EC) No 1907/2006 (mod.: 2015/830/EU) and to Regulation (EC) 1272/2008.
- 15.2 Chemical safety assessment.  
not available

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**SECTION 16    Other information**

Source of data presented in this material safety data sheet:

Test results of this product

Material safety data sheets of product's components

1272/2008/EC regulation, Annex XVII. of REACH

Relevant Hungarian and EU regulations

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Classification for mixtures and used evaluation method according to regulation 1272/2008/EC

Flam. Liq. 2	H225	Flash point
Eye Irrit. 2	H319	calculation method

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*The full text of each relevant Hazard classes and cat. and H- phrase in Section 3.:*

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Flam. Liq. 2	Flammable liquid Category 2
Skin Irrit.2	Skin corrosion/irritation Category 2
Eye Irrit. 2	Serious eye damage/eye irritation Category 2.
Acute Tox. 4	Acute toxicity Category 4
STOT SE 3	Specific target organ toxicity — single exposure Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment, Chronic Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, Chronic Category 3

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Legend:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration Factor
BOD	Biological Oxygen Demand
Bw	Body Weight
C&L	Classification and Labelling
CAS	Chemical Abstracts Service

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CLP	Classification, Labelling and Packaging
CMR	Carcinogenic, Mutagenic or toxic to Reproduction
COD	Chemical Oxygen Demand
CSA	Chemical Safety Assessment
CSR	Chemical Safety Report
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
ECHA	European Chemicals Agency
Ex	Effective Concentration x%
ErC50	EC50 in terms of reduction of growth rate
Edx	Effective Dose x%
EC	European Community
EC number	European Community number
ELINCS	European List of Notified Chemical Substances
ES	Exposure Scenario
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LCx	Lethal Concentration x%
LDx	Lethal Dose x%
LOAEC	Lowest Observed Adverse Effect Concentration
LOAEL	Lowest Observed Adverse Effect Level
LOEC	Lowest Observed Effect Concentration
LOEL	Lowest Observed Effect Level
NOEC	No observed effect concentration
NOEL	No observed effect level
NLP	No-Longer Polymer
NOAEL	No Observed Adverse Effect Level
OECD	Organisation for Economic Cooperation and Development
PBT	Persistent Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	parts/million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International carriage of Dangerous Goods by Rail
SVHC	Substance of Very High Concern
UVCB	substance of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bio-accumulative

### Revision Indicators:

Section	Subject of change	Date	Version
8	Exposure controls / personal protection	02.03.2020	2