

Date: 20 Aug 2009

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<b>1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING</b>			
<b>1.1 Identification of the substance or preparation</b>			
Trade name Desigel Hand Sanitizer			
Code of the preparation -			
Reach registration number -			
<b>1.2 Use of the substance/preparation</b>			
<b>1.2.1 The uses of the chemical</b> The product is intended for the repeated sanitizing of hands.			
<b>1.2.2 Classification of economic activities (NACE)</b>		N 851 Human health activities	
<b>1.2.3 Use categories (UC62)</b>		39 Non-agricultural pesticides and preservatives	
<b>1.2.4 The chemical can be used by the general public</b>		<input checked="" type="checkbox"/>	
<b>1.2.5 The chemical is used by the general public only</b>		<input type="checkbox"/>	
<b>1.3 Company/undertaking identification</b>			
<b>1.3.1 Manufacturer, importer, other undertaking</b> Sim Finland Oy			
<b>1.3.2 Contact information:</b>			
Street address		Pallotie 2	
Postcode and post office		FI-33470 Ylöjärvi	
Post-office box		-	
Postcode and post office		-	
Telephone number		+358 207 444 700	
Telefax		+358 207 444 799	
E-mail address		info@simfinland.com	
Y code		0538597-4	
<b>1.3.3 Information on the foreign manufacturer</b> -			
<b>1.4 Emergency telephone</b>			
<b>1.4.1 Telephone number, name and address</b> Helsinki University Central Hospital, Poison Control Centre Phone +358-9-4711 (operator, 24h), phone +358-9-471 977 (direct)			
<b>2. HAZARDS IDENTIFICATION</b>			
Highly flammable (F). In use, may form flammable/explosive vapour-air mixture.			
<b>3. COMPOSITION AND INFORMATION ON INGREDIENTS</b>			
<b>3.1 Hazardous ingredients</b>			
<b>3.1.1 CAS/EC number and the Registration number</b>	<b>3.1.2 Name of the ingredient</b>	<b>3.1.3 Concentration</b>	<b>3.1.4 Classification (symbol letters and R phrases) and other data on the ingredient</b>
64-17-5	Ethanol	45 - 55 %	F, R11, HTP(8h)=1000ppm
75-65-0	tert-Buthanol	< 3 %	F, Xn, R11-20
67-63-0	Propan-2-ol; isopropanol	10 - 20 %	F,Xi, R11-36-67, HTP(8h)=200ppm
124-68-5	Aminomethylpropanol	< 0,2 %	Xi, R36/38-R52-53
<b>3.1.5 There has been a request for confidentiality of a substance according to Annex 2 of the decree</b>		<input type="checkbox"/>	
<b>3.1.6 A substance not dangerous has been indicated as confidential</b>		<input type="checkbox"/>	
<b>3.1.7 Other information</b>			

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Ethanol containing gel intended for the sanitizing of hands.

<b>4.</b>	<b>FIRST AID MEASURES</b>
<b>4.1</b>	<b>Special instructions</b> -
<b>4.2</b>	<b>Inhalation</b> Remove to fresh air.
<b>4.3</b>	<b>Skin contact</b> The product is intended for the repeated sanitizing of hands.
<b>4.4</b>	<b>Eye contact</b> Remove contact lenses if needed and flush eyes with a large amount of water for at least 15 minutes. Obtain medical attention if eye irritation continues.
<b>4.5</b>	<b>Ingestion</b> Rinse mouth immediately with a large amount of water. Induce vomiting if the patient is conscious. Obtain medical attention if needed or when a large amount of the product has been swallowed.
<b>4.6</b>	<b>Information for a doctor or other professionals giving first aid</b> -
<b>5.</b>	<b>FIRE-FIGHTING MEASURES</b>
<b>5.1</b>	<b>Suitable extinguishing media</b> Use alcohol resistant foam, water spray, carbon dioxide or dry chemical media to extinguish fire.
<b>5.2</b>	<b>Extinguishing media which shall not be used for safety reasons</b> -
<b>5.3</b>	<b>Special exposure hazards in a fire</b> -
<b>5.4</b>	<b>Special protective equipment for fire-fighters</b> Wear self-contained positive pressure breathing apparatus and protective clothing.
<b>5.5</b>	<b>Other instructions</b> Use water spray to cool fire exposed containers/receptacles and structures.
<b>6.</b>	<b>ACCIDENTAL RELEASE MEASURES</b>
<b>6.1</b>	<b>Personal precautions</b> Keep away from sources of ignition. Keep unnecessary personnel away.
<b>6.2</b>	<b>Environmental precautions</b> Prevent from entering sewers, natural waters or soil. Block any leaks if possible to do so without hazard.
<b>6.3</b>	<b>Methods for cleaning up</b> Small leak: Flush product residue with large amounts of water. Large leak: Collect spilled material with inert absorbent and place in suitable containers.
<b>6.4</b>	<b>Other instructions</b> -
<b>7.</b>	<b>HANDLING AND STORAGE</b>
<b>7.1</b>	<b>Handling</b> Keep away from sources of ignition – No smoking. Avoid contact with eyes. Take precautionary measures against static discharges. Avoid breathing vapour or mist. Provide adequate ventilation.
<b>7.2</b>	<b>Storage</b> Store out of reach of children in a cool, dry, well-ventilated area away from heat, sparks, open flame, other sources of ignition and oxidizing agents.
<b>7.3</b>	<b>Specific use(s)</b> -
<b>8.</b>	<b>EXPOSURE CONTROLS/PERSONAL PROTECTION</b>
<b>8.1</b>	<b>Exposure limit values</b>
<b>8.1.1</b>	<b>HTP values (in Finland)</b> No HTP-value has been determined for the product. See paragraph 3.1.1 for ingredient information.
<b>8.1.2</b>	<b>Other limit values</b> -
<b>8.1.3</b>	<b>Limit values in other countries</b> -
<b>8.1.4</b>	<b>DNELs</b> -

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**8.1.5 PNECs**

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**8.2 Exposure controls**

**8.2.1 Occupational exposure controls**

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**8.2.1.1 Respiratory protection**

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**8.2.1.2 Hand protection**

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**8.2.1.3 Eye protection**

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**8.2.1.4 Skin protection**

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**8.2.2 Environmental exposure controls**

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 General information (physical state, colour and odour)**

Clear, slightly viscotic gel. Characteristic alcohol odour.

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**9.2 Important health, safety and environmental information**

**9.2.1 pH**

ca. 7

**9.2.2 Boiling point/boiling range**

78°C (ethanol)

**9.2.3 Flash point**

< 21°C

**9.2.4 Flammability (solid, gas)**

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**9.2.5 Explosive properties**

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**9.2.6 Oxidising properties**

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**9.2.7 Vapour pressure**

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**9.2.8 Relative density**

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**9.2.9 Solubility**

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**9.2.10 Water solubility**

Soluble.

**9.2.11 Partition coefficient: n-octanol/water**

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**9.2.12 Viscosity**

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**9.2.13 Vapour density**

5,8 kPa (20°C, etanoli)

**9.2.14 Evaporation rate**

0,850-0.870 g/cm<sup>3</sup> (20°C)

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**9.3 Other information**

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**10. STABILITY AND REACTIVITY**

**10.1 Conditions to avoid**

Heat, flames, sparks. Vapours may form flammable/explosive vapour-air mixture.

**10.2 Materials to avoid**

Strong oxidizers such as calsium hypochlorite, perchloric acid, chromium(VI)oxide, perchlorates.

**10.3 Hazardous decomposition products**

Thermal decomposition may lead to the release of irritating vapours.

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<b>11.</b>	<b>TOXICOLOGICAL INFORMATION</b>
11.1	<b>Acute toxicity</b> -
11.2	<b>Irritation and corrosivity</b> -
11.3	<b>Sensitisation</b> -
11.4	<b>Sub-acute, sub-chronic and prolonged toxicity</b> -
11.5	<b>Human health effects based on experience</b> May irritate eyes and cause temporary cornea defects. Inhalation of large vapour amounts may irritate respiratory system and cause headache, dizziness, drowsiness and nausea. Ingestion may cause CNS effects, nausea, vomiting and symptoms similar to alcohol intoxication.
11.6	<b>Other information on health effects</b> -
<b>12.</b>	<b>ECOLOGICAL INFORMATION</b>
12.1	<b>Ecotoxicity</b>
12.1.1	<b>Aquatic toxicity</b> -
12.1.2	<b>Toxicity to other organisms</b> -
12.2	<b>Mobility</b> -
12.3	<b>Persistence and degradability</b>
12.3.1	<b>Biodegradation</b> -
12.3.2	<b>Chemical degradation</b> -
12.4	<b>Bioaccumulative potential</b> -
12.5	<b>Results of PBT assessment</b> -
12.6	<b>Other adverse effects</b> -
<b>13.</b>	<b>DISPOSAL CONSIDERATIONS</b>
	Consult federal, state and local regulations, and dispose in compliance with these regulations. Keep away from sources of ignition - No smoking.
<b>14.</b>	<b>TRANSPORT INFORMATION</b>
14.1	<b>UN number</b> 1993
14.2	<b>Packing group</b> II
14.3	<b>Land transport</b>
14.3.1	<b>Transport class</b> 3
14.3.2	<b>Risk code</b> -
14.3.3	<b>Name according to bill of freight</b> FLAMMABLE LIQUID, N.O.S. (MIXTURE CONTAINING ETHANOL).
14.3.4	<b>Other information</b> Limited amount, see national ADR regulations for specifics.
14.4	<b>Sea transport</b>
14.4.1	<b>IMDG class</b> 3
14.4.2	<b>Correct technical name</b> FLAMMABLE LIQUID, N.O.S. (MIXTURE CONTAINING ETHANOL).

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**14.4.3 Other information**

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**14.5 Air transport**

**14.5.1 ICAO/IATA class**

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**14.5.2 Correct technical name**

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**14.5.3 Other information**

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**15. REGULATORY INFORMATION**

**15.1 Information on the label**

**15.1.1 Danger symbols (letters) and indications of danger**

F; Highly flammable.

**15.1.2 Substances to be named on the label**

Ethanol

**15.1.3 R phrases**

11 Highly flammable.

**15.1.4 S phrases**

2 Keep out of reach of children.

7 Keep container tightly closed.

16 Keep away from sources of ignition - No smoking.

**15.1.5 Special provisions concerning the labelling of certain preparations**

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**15.1.6 Chemical Safety Assessment has been carried out for the following substances**

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**15.2 National regulations**

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**16. OTHER INFORMATION**

**16.1 List of relevant R phrases**

11 Highly flammable.

20 Harmful by inhalation.

36 Irritating to eyes.

36/38 Irritating to eyes and skin.

52 Harmful to aquatic organisms.

53 May cause long-term adverse effects in the aquatic environment.

67 Vapours may cause drowsiness and dizziness.

**16.2 Training advice**

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**16.3 Recommended restrictions on use**

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**16.4 Further information**

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**16.5 Sources of key data used to compile the Safety Data Sheet**

1. The Finnish Ministry of Social Affairs and Health, Publications 2007:4, HTP-values 2007

2. The Finnish Ministry of Social Affairs and Health, Regulation of dangerous substances list (509/2005)

3. Material Safety Data Sheets by the chemical manufacturers

**16.6 Information which has been added, deleted or revised**

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