

**Soft Care Med H5**

Revision: 2014-02-06

Version: 03

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

**1.1 Product identifier**

**Trade name:** Soft Care Med H5

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

**Identified uses:**

For professional use only.

AISE-P1300 - Professional hand cleaner / disinfectant

**Uses advised against:** Uses other than those identified are not recommended

**1.3 Details of the supplier of the safety data sheet**

Diversey Ltd

**Contact details**

Weston Favell Centre, Northampton NN3 8PD, United Kingdom

Tel: 01604 405311, Fax: 01604 406809

Regulatory Email: MSDSinfoUK@sealedair.com

**1.4 Emergency telephone number**

For medical or environmental emergency only:

call 0800 052 0185

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

The product comes under the EC Cosmetics Directive and corresponding national legislation. Cosmetic products are not subject to the EC guidelines on dangerous substances and preparations and corresponding national legislation.

**Indication of danger**

Xi - Irritant

**Risk phrases:**

R10 - Flammable.

R41 - Risk of serious damage to eyes.

R67 - Vapours may cause drowsiness and dizziness.

**2.2 Label elements**



Xi - Irritant

**Risk phrases:**

R10 - Flammable.

R41 - Risk of serious damage to eyes.

R67 - Vapours may cause drowsiness and dizziness.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39 - Wear eye/face protection.

**2.3 Other hazards**

No other hazards known. The product does not meet the criteria for PBT or vPvB in accordance with Regulation (EC) No 1907/2006, Annex XIII.

**SECTION 3: Composition/information on ingredients**

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**3.2 Mixtures**

Cosmetic product. For ingredients see INCI declaration on product label.

Ingredient(s)	EC number	CAS number	REACH number	Classification	Classification (EC) 1272/2008	Notes	Weight percent
propan-1-ol	200-746-9	71-23-8	01-2119486761-29	F;R11 Xi;R41 R67	Flam. Liq. 2 (H225) Eye Dam. 1 (H318) STOT SE 3 (H336)		50-75
propan-2-ol	200-661-7	67-63-0	01-2119457558-25	F;R11 Xi;R36 R67	Flam. Liq. 2 (H225) Eye Irrit. 2 (H319) STOT SE 3 (H336)		10-20
glycerol	200-289-5	56-81-5	01-2119471987-18	-	-		1-3

**SECTION 4: First aid measures****4.1 Description of first aid measures****Inhalation:**

Remove from source of exposure. If discomfort persists, obtain medical attention.

**Skin contact:**

Not applicable.

**Eye contact:**

Wash off immediately with plenty of water. If irritation develops get medical attention.

**Ingestion:**

Remove material from mouth. Immediately drink 1-2 glasses of water or milk. If large amounts swallowed or symptoms develop, get medical attention.

**Self-protection of first aider:**

Consider personal protective equipment as indicated in subsection 8.2.

**4.2 Most important symptoms and effects, both acute and delayed****Inhalation:**

Unlikely to be irritant or harmful in normal use.

**Skin contact:**

Unlikely to be irritant in normal use.

**Eye contact:**

Can cause irritation.

**Ingestion:**

Unlikely to be harmful unless excessive amount ingested.

**Sensitisation:**

No known effects.

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

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

**5.2 Special hazards arising from the substance or mixture**

No special hazards known.

**5.3 Advice for firefighters**

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Turn off all sources of ignition. Ventilate the area.

**6.2 Environmental precautions**

Do not allow to enter drainage system, surface or ground water. Dilute with plenty of water.

**6.3 Methods and material for containment and cleaning up**

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

**6.4 Reference to other sections**

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling****Advice on safe handling:**

Handle in accordance with good industrial hygiene and safety practice. Do not mix with other products unless advised by Diversey. For advice on general occupational hygiene see subsection 8.2. For environmental exposure controls see subsection 8.2. For incompatible materials see subsection 10.5.

**Prevention of fire and explosion:**

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

**7.2 Conditions for safe storage, including any incompatibilities**

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**Requirements for storage rooms / facilities:**

In accordance with local and national regulations.

**Combined storage in storage rooms / facilities:**

In accordance with local and national regulations. For incompatible materials see subsection 10.5.

**Basic storage conditions**

Store in original container. Keep container tightly closed. For conditions to avoid see subsection 10.4.

**7.3 Specific end use(s)**

No specific advice for end use available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

Ingredient(s)	UK - Long term value(s)	UK - Short term value(s)
propan-1-ol	200 ppm 500 mg/m <sup>3</sup>	250 ppm 625 mg/m <sup>3</sup>
propan-2-ol	400 ppm 999 mg/m <sup>3</sup>	500 ppm 1250 mg/m <sup>3</sup>
glycerol	10 mg/m <sup>3</sup> mist	30 mg/m <sup>3</sup> mist

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
propan-1-ol	No data available	No data available	No data available	61
propan-2-ol	No data available	No data available	No data available	26
glycerol	No data available	No data available	No data available	229

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
propan-1-ol	No data available	No data available	No data available	136
propan-2-ol	No data available	No data available	No data available	888
glycerol	No data available	No data available	No data available	No data available

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
propan-1-ol	No data available	No data available	No data available	81
propan-2-ol	No data available	No data available	No data available	319
glycerol	No data available	No data available	No data available	No data available

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
propan-1-ol	No data available	1723	No data available	268
propan-2-ol	No data available	No data available	No data available	500
glycerol	No data available	No data available	No data available	56

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
propan-1-ol	No data available	1036	No data available	80
propan-2-ol	No data available	No data available	No data available	89
glycerol	No data available	No data available	No data available	33

Ingredient(s)	Surface water, fresh (mg/l)	Surface water, marine (mg/l)	Intermittent (mg/l)	Sewage treatment plant (mg/l)
propan-1-ol	10	1	10	96
propan-2-ol	140.9	140.9	140.9	2251
glycerol	0.885	0.0885	8.85	1000

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m <sup>3</sup> )
propan-1-ol	22.8	2.28	2.2	No data available
propan-2-ol	552	552	28	No data available
glycerol	3.3	0.33	0.141	No data available

**8.2 Exposure controls****General health and safety measures**

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and at the end of workday. Avoid contact with eyes.

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The following information applies for the uses indicated in subsection 1.2.  
If available, please refer to the product information sheet for application and handling instructions.  
Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product:

**Appropriate engineering controls:** No special requirements under normal use conditions.  
**Appropriate organisational controls:** Avoid direct contact and/or splashes where possible. Train personnel.

**Personal protective equipment**

**Eye / face protection:** Safety glasses are not normally required. However, their use is recommended in those cases where splashes may occur when handling the product.  
**Hand protection:** Not applicable.  
**Body protection:** No special requirements under normal use conditions.  
**Respiratory protection:** No special requirements under normal use conditions.

**Environmental exposure controls:** Should not reach sewage water or drainage ditch undiluted or unneutralised.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Information in this section refers to the product, unless it is specifically stated that substance data is listed

**Method / remark**

**Physical State:** Liquid  
**Colour:** Clear, Colourless  
**Odour:** Product specific  
**Odour threshold:** Not applicable  
**pH:** ≈ 7 (neat)  
**Melting point/freezing point (°C):** Not determined  
**Initial boiling point and boiling range (°C):** Not determined

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
propan-1-ol	97	Method not given	1013
propan-2-ol	82	Method not given	1013
glycerol	290	Method not given	1013

**Flash point (°C):** ≈ 28

closed cup

**Sustained combustion:** This product with a flashpoint between 21°C and 60°C supports combustion

UN Manual of Tests and Criteria, section 32, L.2

**Evaporation rate:** Not determined

**Flammability (solid, gas):** Not determined

**Upper/lower flammability limit (%):** Not determined

Ingredient(s)	Lower limit (% vol)	Upper limit (% vol)
propan-1-ol	2.1	13.5
propan-2-ol	2	13
glycerol	2.7	19

**Vapour pressure:** Not determined

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
propan-1-ol	1990	Method not given	20
propan-2-ol	4200	Method not given	20
glycerol	< 1	Method not given	20

**Vapour density:** Not determined

**Relative density:** 0.87 g/cm<sup>3</sup> (20°C)

**Solubility in / Miscibility with Water:** Fully miscible

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
propan-1-ol	No data available		
propan-2-ol	Soluble	Method not given	
glycerol	500	Method not given	20

**Autoignition temperature:** Not determined

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**Decomposition temperature:** Not determined

**Viscosity:**  $\approx$  100 mPa.s (20°C)

**Explosive properties:** Not explosive. Vapours may form explosive mixtures with air.

**Oxidising properties:** Not oxidising.

### 9.2 Other information

**Surface tension (N/m):** Not determined

**Corrosion to metals**

**(according to IMDG/ADR regulation):** Not determined

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

### 10.2 Chemical stability

Stable under normal storage and use conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reactions known under normal storage and use conditions.

### 10.4 Conditions to avoid

None known under normal storage and use conditions.

### 10.5 Incompatible materials

None known under normal use conditions.

### 10.6 Hazardous decomposition products

None known under normal storage and use conditions.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Cosmetic products do not legally require a safety data sheet This document does therefore not necessarily comply with the requirements of Regulation (EC) No 1907/2006

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
propan-1-ol	LD <sub>50</sub>	> 2000	Rat	Method not given	
propan-2-ol	LD <sub>50</sub>	3570	Rat	Method not given	
glycerol	LD <sub>50</sub>	12600	Rat	Method not given	

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
propan-1-ol	LD <sub>50</sub>	> 5000	Rabbit	Method not given	
propan-2-ol	LD <sub>50</sub>	> 2000	Rabbit	Method not given	
glycerol	LD <sub>50</sub>	> 10000	Rabbit	Method not given	

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
propan-1-ol	LC <sub>50</sub>	> 33.8	Rat	Method not given	4
propan-2-ol	LC <sub>50</sub>	> 25 (vapour)	Rat	OECD 403 (EU B.2)	6
glycerol		No data available			

Ingredient(s)	Result	Species	Method	Exposure time
propan-1-ol	Not irritant	Rabbit	Method not given	
propan-2-ol	Not irritant	Rabbit	OECD 404 (EU B.4)	
glycerol	Not irritant		OECD 404 (EU B.4)	

Ingredient(s)	Result	Species	Method	Exposure time
propan-1-ol	Severe damage	Rabbit	Method not given	
propan-2-ol	Irritant	Rabbit	OECD 405 (EU B.5)	
glycerol	Not corrosive or irritant		Method not given	

Ingredient(s)	Result	Species	Method	Exposure time
propan-1-ol	No data available			
propan-2-ol	No data available			
glycerol	No data available			

Ingredient(s)	Result	Species	Method	Exposure time (h)
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propan-1-ol	Not sensitising		Method not given
propan-2-ol	Not sensitising	Guinea pig	OECD 406 (EU B.6) / Buehler test
glycerol	Not sensitising	Human	Human repeated patch test

Ingredient(s)	Result	Species	Method	Exposure time
propan-1-ol	No data available			
propan-2-ol	No data available			
glycerol	No data available			

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
propan-1-ol		No data available				
propan-2-ol		No data available				
glycerol		No data available				

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
propan-1-ol		No data available				
propan-2-ol		No data available				
glycerol		No data available				

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
propan-1-ol		No data available				
propan-2-ol		No data available				
glycerol		No data available				

Ingredient(s)	Exposure route	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time	Specific effects and organs affected	Remark
propan-1-ol			No data available					
propan-2-ol			No data available					
glycerol			No data available					

Ingredient(s)	Effect
propan-1-ol	No evidence for carcinogenicity, weight-of-evidence
propan-2-ol	No data available
glycerol	No evidence for carcinogenicity, negative test results

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
propan-1-ol	No data available		No data available	
propan-2-ol	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13)	No data available	
glycerol	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13)	No data available	

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
propan-1-ol			No data available				
propan-2-ol			No data available				
glycerol			No data available				Not toxic for reproduction

**Potential adverse health effects and symptoms**

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

**SECTION 12: Ecological information****12.1 Toxicity**

Cosmetic products do not legally require a safety data sheet. This document does therefore not necessarily comply with the requirements of Regulation (EC) No 1907/2006.

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Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
propan-1-ol	LC <sub>50</sub>	> 1000	Fish	Method not given	96
propan-2-ol	LC <sub>50</sub>	> 100	Pimephales promelas	Method not given	48
glycerol	LC <sub>50</sub>	54000	Oncorhynchus mykiss	Method not given	96

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
propan-1-ol	EC <sub>50</sub>	> 3000	Daphnia magna Straus	Method not given	48
propan-2-ol	EC <sub>50</sub>	> 100	Daphnia magna Straus	Method not given	48
glycerol	EC <sub>50</sub>	> 10000	Daphnia magna Straus	Method not given	24

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
propan-1-ol		No data available			
propan-2-ol	EC <sub>50</sub>	> 100	Scenedesmus quadricauda	Method not given	72
glycerol		No data available			

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
propan-1-ol		No data available			
propan-2-ol		No data available			
glycerol		No data available			

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
propan-1-ol		No data available			
propan-2-ol	EC <sub>50</sub>	> 1000	Activated sludge	Method not given	
glycerol	EC <sub>50</sub>	> 10000	Pseudomonas putida	Method not given	16 hour(s)

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
propan-1-ol		No data available				
propan-2-ol		No data available				
glycerol		No data available				

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
propan-1-ol		No data available				
propan-2-ol		No data available				
glycerol		No data available				

Ingredient(s)	Endpoint	Value (mg/kg dw sediment)	Species	Method	Exposure time (days)	Effects observed
propan-1-ol		No data available				
propan-2-ol		No data available				
glycerol		No data available				

## 12.2 Persistence and degradability

Ingredient(s)	Inoculum	Analytical method	DT <sub>50</sub>	Method	Evaluation
propan-1-ol					Readily biodegradable
propan-2-ol			95 % in 21 day(s)	OECD 301E	Readily biodegradable
glycerol			60% in 28 day(s)	Method not given	Readily biodegradable

### 12.3 Bioaccumulative potential

Ingredient(s)	Value	Method	Evaluation	Remark
propan-1-ol	0.2	Method not given	No bioaccumulation expected	
propan-2-ol	0.05	OECD 107	No bioaccumulation expected	
glycerol	-1.76	Method not given	No bioaccumulation expected	

Ingredient(s)	Value	Species	Method	Evaluation	Remark
propan-1-ol	No data available				
propan-2-ol	No data available				
glycerol	No data available				

### 12.4 Mobility in soil

Ingredient(s)	Adsorption coefficient Log K <sub>oc</sub>	Desorption coefficient Log K <sub>oc(des)</sub>	Method	Soil/sediment type	Evaluation
propan-1-ol	No data available				
propan-2-ol	No data available				Potential for mobility in soil, soluble in water
glycerol	No data available				Potential for mobility in soil, soluble in water

### 12.5 Results of PBT and vPvB assessment

Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.

### 12.6 Other adverse effects

No other adverse effects known.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Waste from residues / unused products:**

The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.

**European Waste Catalogue:**

20 01 29\* - detergents containing dangerous substances.

**Empty packaging**

**Recommendation:**

Dispose of observing national or local regulations.

**Suitable cleaning agents:**

Water, if necessary with cleaning agent.

## SECTION 14: Transport information



### ADR, RID, ADN, IMO/IMDG, ICAO/IATA

**14.1 UN number:** 1987

**14.2 UN proper shipping name:**

Alcohols, n.o.s. ( propanol , isopropanol )

**14.3 Transport hazard class(es):**

**Class:** 3

**Label(s):** 3

**14.4 Packing group:** III

**14.5 Environmental hazards:**

**Environmentally hazardous:** No

**Marine pollutant:** No

**14.6 Special precautions for user:** None known.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** The product is not transported in bulk tankers.

**Other relevant information:**

ADR

## Soft Care Med H5

**Classification code:** F1

**Tunnel restriction code:** D/E

**Hazard identification number:** 30

**IMO/IMDG**

**EmS:** F-E, S-D

The product has been classified, labelled and packaged in accordance with the requirements of ADR and the provisions of the IMDG Code. Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Authorisations or restrictions (Regulation (EC) No 1907/2006, Title VII respectively Title VIII):** Not applicable.

**15.2 Chemical safety assessment**

Not applicable.

**SECTION 16: Other information**

*The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract*

**MSDS code:** MSDS4508

**Version:** 03

**Revision:** 2014-02-06

**Reason for revision:**

Overall design adjusted in accordance with Regulation (EC) No 1907/2006, Annex II

**Full text of the R, H and EUH phrases mentioned in section 3:**

- R11 - Highly flammable.
- R67 - Vapours may cause drowsiness and dizziness.
- R41 - Risk of serious damage to eyes.
- R36 - Irritating to eyes.
- R10 - Flammable.
- H225 - Highly flammable liquid and vapour.
- H318 - Causes serious eye damage.
- H319 - Causes serious eye irritation.
- H336 - May cause drowsiness or dizziness.

**End of Safety Data Sheet**