

Section 1: Identification of the substance/mixture and of the Company

1.1 Product ID

Trade name: **Santé Moisturizing Alcohol Hand Gel**

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

Identified uses: **Skin cleansing gel**

Uses advised against: Other than identified

1.3 Details of the supplier of the safety data sheet

Supplier: **Santé Group Holdings Limited**
Address: Chesterton, Scothern Lane, Dunholme, LN2 3QP, United Kingdom
Phone: +44 (0) 1522 50741514

E-mail address of the person responsible for the safety data sheet: sales@sante-group.com

1.4 Emergency phone number

112 (emergency call), 998 (fire brigade), 999 (medical emergency)
Or call local Toxicological Information Centers

Section 2: Identification of hazards

2.1 Classification of the substance or mixture Flam.

Liq. 2 H225, Eye Irrit. 2 H319

Highly flammable liquid and vapour. Irritating to eyes.

2.2 Labelling elements

Pictograms indicating the type of hazard and a warning password.



DANGER

Statements indicating kind of hazard

H225 Highly flammable liquid and vapour.

H319 Irritating to the eyes.

Precautionary statements

P102 Keep away from children.

P210 Keep away from heat sources, hot surfaces, sparks, open flames and other sources of ignition.

Do not smoke.

P305+P351+P338 IF IT GETS IN YOUR EYES: Rinse thoroughly with water for several minutes.

Remove contact lenses if possible or if present and continue rinsing.

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

P501 Dispose of contents/container in suitably marked waste bins in accordance with national regulations.

2.3 Other hazards

Substances in the product do not meet the criteria for classification as PBT or vPvB in accordance with Annex XIII of REACH.

Section 3: Composition / information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

CAS No.: 64-17-5 EC No.: 200-578-6 Index No.: 603-002-00-5 REACH Reg. No.: 01-2119457610-43-XXXX	ethanol ¹⁾ Flam. Liq. 2 H225, Eye Irrit. 2 H319 <u>Specific concentration limits</u> Eye Irrit. 2 H319: ≥ 50 %	< 75 %
CAS No.: 56-81-5 EC No.: 200-289-5 Index No.: — REACH Reg. No.: —	glycerol ¹⁾ Substance not classified as hazardous	< 3 %
CAS No.: 67-63-0 EC No.: 200-661-7 Index No.: 603-117-00-0 REACH Reg. No.: 01-2119457558-25-XXXX	propane-2-ol ¹⁾ Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336	< 1 %
CAS No.: 78-93-3 EC No.: 201-159-0 Index No.: 606-002-00-3 REACH Reg. No.: 01-119457290-43-XXXX	butane-2-on ¹⁾²⁾ Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066 ³⁾	< 1 %
CAS No.: 57-55-6 EC No.: 200-338-0 Index No.: — REACH Reg. No.: 01-2119456809-23-XXXX	propane-1,2-diol ¹⁾ Substance not classified as hazardous	< 0,5 %

1 - substance with a national occupational exposure limit.

2 - substance with a national occupational exposure limit.

3 - additional statement indicating kind of hazard.

The full text of the H statements can be found in Section 16 of the sheet.

Section 4: First aid measures

4.1 Description of first aid measures

In contact with skin: no adverse health effects are to be expected from exposure by this way, the product is designed for hygienic hand disinfection. In case of any disturbing symptoms, contact a doctor, show the packaging or label.

Eye contact: Rinse with plenty of water for at least 15 minutes. Protect the unirritated eye, remove contact lenses. Avoid strong water jet - risk of mechanical damage to cornea. Contact a doctor in case of disturbing symptoms.

If ingested: Rinse mouth with water. Do not induce vomiting. Never give anything to the mouth of an unconscious person. Consult a doctor, show the package or label.

After inhalation: Take victim to fresh air, keep him warm and calm. Consult a doctor if you experience any disturbing symptoms.

4.2 Most important acute and delayed symptoms and effects of exposure

No adverse effects are to be expected from exposure other than those arising from product classification.

4.3 Indications for any immediate medical attention and special treatment needed

The decision on the rescue procedure is made by the doctor after a thorough assessment of the victim's condition. Treat symptomatically.

Section 5: Firefighting

5.1 Fire extinguishing media

Suitable extinguishing media: Alcohol-resistant extinguishing foam, extinguishing powder, carbon dioxide, water spray. Adjust the extinguishing agent to the materials stored in the immediate vicinity.

Unsuitable extinguishing media: Dense water jet - risk of fire spreading.

5.2 Special hazards arising from the substance or mixture

Under fire conditions, harmful gases may be released, including carbon monoxide and other unidentified thermal decomposition products. Avoid inhaling combustion products, it may pose a health hazard.

5.3 Information for firefighters

Wear general protective equipment typical for fire cases. Do not stay in a fire hazard area without appropriate chemical-resistant clothing and self-contained breathing apparatus. Do not allow extinguishing water to enter drains, surface or ground water. Highly flammable liquid and vapour. Cool fire-endangered containers from a safe distance with water spray. Collect used extinguishing media.

Section 6: Procedure in the event of unintentional release into the environment

6.1 Personal precautions, protective equipment and emergency procedures

Restrict access of bystanders to the breakdown area until appropriate treatment operations are completed. In case of large releases, isolate the affected area. Ensure that only trained personnel remove the consequences of the accident. Wear personal protective equipment. Avoid eye contamination. Avoid inhalation of vapours. Provide adequate ventilation. Dispose of all ignition sources, extinguish open fire, do not smoke. Prevent electrostatic discharges.

6.2 Environmental precautions

Do not introduce into drains, surface or ground water. If larger quantities of the mixture are released, steps must be taken to prevent it from spreading into the environment. Notify the relevant emergency services.

6.3 Methods and material for containment and cleaning up

Cover the spill with non-flammable liquid-absorbing material (e.g. sand, earth, silica) and place in labelled containers. Larger spills should be embanked and pumped away. Treat the collected material as waste. Clean the contaminated area well and ventilate it. Do not use sparking tools.

6.4 References to other sections

See section 13 of the card for handling product waste. Personal protective equipment - see section 8 of the sheet.

Section 7: Handling and storage of substances and mixtures

7.1 Precautions for safe handling

Work in accordance with health and safety rules. Avoid contact with eyes. Do not inhale vapours. Wear suitable personal protective equipment. Follow the safety data sheet or label information. Do not eat, drink or smoke while working. Wash hands before breaks and after work. Use as intended. Caution! Danger of slipping on released product. Do not use sparking tools.

7.2 Conditions for safe storage, including information on any incompatibilities

Store in a dry and cool place, avoid direct sunlight on the containers containing the product. Keep away from food, foodstuffs and animal feed. Do not store with incompatible materials (see subsection 10.5). Store away from heat and ignition sources.

7.3 Specific end use(s) No information on applications other than those listed in subsection 1.2.

Section 8: Exposure controls / personal protection

8.1 Control parameters

Substance	NDS	NDSch	NDSP	DSB
ethanol [CAS 64-17-5]	1900 mg/m ³	---	---	---
glycerol – inhalation fraction [CAS 56-81-5]	10 mg/m ³	---	---	---
propane-2-ol* [CAS 67-63-0]	900 mg/m ³	1200 mg/m ³	---	---
butane-2-on* [CAS 78-93-3]	450 mg/m ³	900 mg/m ³	---	---
propane-1,2-diol [CAS 57-55-6]- vapours and the inhalation fraction	100 mg/m ³	---	---	---

* absorption of the substance through the skin may be as important as for inhalation exposure.

Legal basis: Journal of Laws, No. 1286 as amended.

Recommended monitoring procedures

Procedures for monitoring the concentrations of hazardous components in the air and for controlling workplace air cleanliness shall be used, where available and justified at the site, in accordance with the relevant Polish or European Standards, taking into account the conditions prevailing at the site of exposure and an appropriate measurement methodology adapted to working conditions. The mode, type and frequency of testing and measurement should meet the requirements of the Ordinance of the Ministry of Health of 2 February 2011. (Journal of Laws 2011, No. 33, item 166, as amended).

8.2 Exposure controls

Observe general safety and hygiene rules. Do not eat, drink or smoke while working. Wash your hands thoroughly before breaks and after work. Avoid contact with eyes. Remove and wash contaminated clothing before re-use. Provide general and/or local ventilation at the workplace to keep the concentrations of harmful agents in the air below the established limit values. If during work processes, there is a danger of igniting clothing on the worker - no more than 20 m in the horizontal line from the work stations where these processes are carried out - emergency showers (safety showers) for washing the whole body and separate showers (showers) for washing the eyes should be installed. Wear personal protective equipment.

Hand and body protection:

Not required. Wear protective gloves in case of prolonged or repeated contact with the product if a risk assessment indicates that it is necessary. Select the glove material individually at the workplace.

The glove material must be impermeable and resistant to the product. The choice of material should be made taking into account breakthrough times, penetration rates and degradation. Furthermore, the choice of suitable gloves does not only depend on the material, but also on other quality characteristics and varies from manufacturer to manufacturer. The exact breakthrough time must be obtained from the glove manufacturer and observed. It is recommended to change gloves regularly and replace them immediately if there are any signs of wear, damage or changes in appearance (colour, flexibility, shape).

Eye protection:

Wear safety glasses if there is a risk of eye contamination.

Respiratory protection:

If adequate ventilation is not required. In case of high vapour concentrations, malfunctions or exceeding the maximum permitted concentrations, use suitable respiratory protective equipment with a suitable organic vapour trap.

The personal protective equipment used must meet the requirements of Regulation (EU) 2016/425. The selection of personal protective equipment must take into account the concentration and form of the substance in the workplace, the routes of exposure, the exposure time and the activities of the worker. The employer must provide personal protective equipment that meets all quality requirements, including maintenance and cleaning.

Environmental exposure controls

Avoid discharging into the environment, do not introduce into the sewage system. Possible emissions from ventilation systems and process equipment should be checked to determine their compliance with environmental law requirements.

Section 9: Physical and chemical characteristics

9.1 Information on basic physical and chemical properties

state of aggregation / form:	liquid / gel
colour:	colorless to pale yellow
smell:	characteristic
odour threshold:	not determined
pH value:	not determined
melting/coagulation temperature:	not determined
initial boiling point:	-
and boiling range:	≥ 35 °C
flashpoint:	< 23 °C
evaporation rate:	not determined
flammability (solid, gas):	not applicable
upper/lower explosion limit:	not determined
vapour pressure:	not determined
vapour density:	not determined
density:	approx. 1 g/cm ³
solubility:	not determined
partition coefficient: n-octanol/water:	not determined
auto-ignition temperature:	not determined
decomposition temperature:	not determined
explosive properties:	does not show
oxidizing properties:	does not show
viscosity:	not determined

9.2 Other information

No additional test results.

Section 10: Stability and reactivity

10.1 Reactivity

Reactive product, does not undergo dangerous polymerization. See also subsections 10.3 to 10.5.

10.2 Chemical stability

When used and stored correctly, the product is stable.

10.3 Possibility of hazardous reactions

No dangerous reactions are known.

10.4 Conditions to be avoided

Avoid direct sunlight, heat sources and fire.

10.5 Incompatible materials

Strong oxidants.

10.6 Hazardous decomposition products

Not known.

Section 11: Toxicological information

11.1 Information on toxicological effects

Toxicity of components

<u>ethanol [CAS 64-17-5]</u>	
LD ₅₀ (digestive tract, rat)	6 200 mg/kg
LD ₅₀ (skin, rabbit)	20 000 mg/kg
LC ₅₀ (inhalation, rat)	124,7 mg/m ³ /4h
<u>butane-2-on [CAS 78-93-3]</u>	
LD ₅₀ (digestive tract, rat)	4 000 mg/kg
LD ₅₀ (skin, rabbit)	6 400 ml/kg
LC ₅₀ (inhalation, rat)	23,5 mg/m ³ /4h
<u>propane-2-ol [CAS 67-63-0]</u>	
LD ₅₀ (digestive tract, rat)	5 280 mg/kg
LD ₅₀ (skin, rat)	12 800 mg/kg
LC ₅₀ (skin, rabbit)	72,6 mg/m ³ /4h

Data of European Chemicals Agency

Mixture toxicity

Acute toxicity

Based on the available data, the classification criteria are not met.

Skin corrosion/irritation

Based on the available data, the classification criteria are not met.

Serious eye damage/irritation Irritating to the eyes.

Respiratory or skin sensitization

Based on the available data, the classification criteria are not met.

Germ cell mutagenicity

Based on the available data, the classification criteria are not met.

Carcinogenic effect

Based on the available data, the classification criteria are not met.

Reproductive toxicity

Based on the available data, the classification criteria are not met.

Specific target organ toxicity - single exposure

Based on available data, the classification criteria are not met.

Target organ toxicity - repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on the available data, the classification criteria are not met.

Symptoms related to physical, chemical and toxicological properties

In contact with skin: in case of prolonged contact, possible redness, drying, cracking of skin, degreasing. In contact with eyes: reddening, tearing, irritation.

After swallowing: nausea, vomiting, imbalance and coordination disorders, symptoms similar to alcoholic intoxication.

After inhalation: in case of high vapour concentration, the product may cause pain, dizziness and sleepiness.

Section 12: Ecological information

12.1 Toxicity

Toxicity of components

ethanol [CAS 64-17-5]

Toxicity to fish: LC₅₀ 11000 mg/L/96h/*Alburnus alburnus*

Toxicity to invertebrates: EC₅₀ 9268 mg/L/48h/*Daphnia magna*

Toxicity to algae: EC₅₀ 1450 mg/L/192h/*Microcystis aeruginosa*

propane-2-ol [CAS 67-63-0]

Toxicity to fish: LC₅₀ 9640 mg/L/96h/*Pimephales promelas*

Toxicity to daphnia: EC₅₀ 13 299 mg/L/48h/*Daphnia magna*

Toxicity to algae: EC₅₀ 1000 mg/L/72h/*Scenedesmus quadricauda*

butane-2-on [CAS 78-93-3]

Toxicity to fish: LC₅₀ 3220 mg/L/96h/*Pimephales promelas*

Toxicity to daphnia: EC₅₀ 5091 mg/L/48h/*Daphnia magna*

Toxicity to algae: EC₅₀ 4300 mg/L/168h/*Scenedesmus quadricauda*

Data of European Chemicals Agency

Mixture toxicity

The product is not classified as hazardous for the environment.

12.2 Durability and degradability

Data for components:

ethanol [CAS-64-17-5]

is 89% biodegradable within 14 days.

propane-2-ol [CAS 67-63-0]

is biodegradable within 86% within 14 days.

butane-2-on [CAS 78-93-3]

is biodegradable within 89 % in 20 days.

Data from the European Chemicals Agency

12.3 Bioaccumulation capacity

Data for components:

ethanol [CAS-64-17-5]

log Po/w = -0,31; BCF = 3.

propane-2-ol [CAS 67-63-0]

log Po/w = 0,05; BCF =

3 butane-2-on [CAS 78-93-3]

log Po/w = 0,29;

BCF = 3

Data from the European Chemicals Agency

12.4 Mobility in the soil

The mobility of the mixture components depends on their hydrophilic and hydrophobic properties and the abiotic and biotic conditions of the soil, including its structure, climatic conditions, season and soil organisms

12.5 Results of PBT and vPvB assessment

Substances in the product do not meet the criteria for classification as PBT or vPvB in accordance with Annex XIII of REACH.

12.6 Other adverse effects

The mixture is not classified as hazardous to the ozone layer. The possibility of other harmful effects of the individual components of the mixture on the environment (e.g. endocrine disrupting capacity, impact on global warming) must be considered.

Section 13: Waste treatment

13.1 Waste disposal methods

Recommendations for the mixture: do not enter into drains. Do not store in municipal landfills. Dispose of in accordance with applicable regulations. The waste code should be given at the place of its production.

Recommendations for used packaging: hand over the packaging to an authorized company. Do not mix with other waste. The waste code should be given at the place of its production.

EU legislation: European Parliament and Council directives: 2008/98/EC as amended, 94/62/EC as amended.

National legal acts: Journal of Law of 2013 item 21 as amended, Journal of Law of 2013, item 888 as amended.

Section 14: Transport information

14.1 UN No.

UN 1993

14.2 UN proper shipping name

LIQUID INFLAMMABLE MATERIAL I.N.O. [ETHANOL, PROPANE-2-OL]

14.3 Transport hazard class(es)

3

14.4 Packing group

II

14.5 Environmental hazards

The product does not pose a risk to the environment according to transport regulations.

14.6 Special precautions for users

Wear personal protective equipment in accordance with section 8 of the sheet. Remove ignition sources

14.7 Transport in bulk according to Annex II to MARPOL and the IBC Code

Not applicable.



Section 15: Regulatory information

15.1 Safety, health and environmental legislation specific to the substance or mixture

Act of 25 February 2011 on chemical substances and their mixtures (Journal of Laws 2011, No. 63, item 322, as amended).

Regulation of the Minister of Labor and Social Policy of 12 June 2018 on maximum permissible concentrations and intensities of factors harmful to health in the working environment (Journal of Laws 2018, item 1286, as amended).

European ADR agreement concerning international road transport of dangerous goods. Law on waste of 14 December 2012 (Journal of Laws 2013, item 21 as amended).

Act of 13 June 2013 on the management of packaging and packaging waste (Journal of Law of 2013 item 888 as amended).

Regulation of the Minister of Climate of 2 January 2020 on waste catalogue (Journal of Laws 2020, item 10).

Regulation of the Minister of Health of 2 February 2011 on tests and measurements of factors harmful to health in the working environment (Journal of Laws 2011 No. 33, item 166, as amended).

1907/2006/EC Regulation concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directive 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended.

1272/2008/EC Regulation of the European Parliament and of the Council of 16 December 2008 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, as amended.

2015/830/EU Commission Regulation of 28 May 2015 amending Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

2008/98/EC Directive of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives, as amended.

94/62/EC Directive of the European Parliament and Council of 20 December 1994 on packaging and packaging waste, as amended.

European ADR agreement concerning international carriage of dangerous goods by road.

2016/425/EU Regulation of the European Parliament and Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.

15.2 Chemical safety assessment

No safety assessment is required for the mixture.

Section 16: Other information

Full text of H-statements from section 3 of the sheet

H225	Highly flammable liquid and vapour.
H319	Irritating to eyes.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

Explanation of abbreviations and acronyms

NDS	Maximum allowable Concentration
NDSch	Maximum allowable Momentary Concentration
NDSP	Maximum allowable Ceiling Concentration
PNEC	Predicted Concentration not causing changes in the environment
DNEL	Derivative level - no-change level
DSB	Permissible Concentration in the biological material
PBT	Substance persistent bioaccumulative and toxic
vPvB	Substance very persistent and very bioaccumulative
Flam. Liq. 2	Flammable liquid, cat 2
Eye Irrit. 2	Eye irritation, cat. 2
STOT SE 3	Toxic effects on target organs - single exposure, cat. 3

Training

Before working with the product, the user should familiarize himself with the principles of occupational health and safety regarding the handling of chemicals, and in particular should receive appropriate training at the workplace. Persons involved in the transport of hazardous materials under the ADR agreement should be adequately trained in their duties (general, workplace and safety training).

References to key literature and data sources

The data sheet has been prepared on the basis of safety data sheets of components provided by the manufacturer, literature data, internet databases and possessed knowledge and experience, taking into account current legal regulations.

Procedures used to classify a mixture

The classification was made on the basis of component sheets and data on the content of hazardous components using a calculation method based on the guidelines of Regulation 1272/2008/EC (CLP), as amended.

Additional information

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The above information is based on the currently available data describing the product and the experience and knowledge of the manufacturer in this respect. It does not constitute a qualitative description of the product or a promise of specific properties. It should be regarded as an aid to safe handling during transport, storage and use of the product. This does not release the user from any liability for misuse of the above information and from compliance with all applicable legal standards.

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