



SAFETY DATA SHEET

Legal basis

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

HANDS CLEAN CARE Disinfectant liquid antiviral, antibacterial

Date: March 9, 2020

Version: 1

Update date:-

SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

1.1. Product ID.

Trade name: **HANDS CLEAN CARE Disinfectant liquid antiviral, antibacterial**

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

Identified use: Body care and disinfection.

Uses advised against: not specified.

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

Address: BUSINESS PROSPECT SPÓŁKA Z OGRANICZONĄ
ODPOWIEDZIALNOŚCIĄ (LIMITED LIABILITY COMPANY)
29 / 8 Święty Marcin Street, 61-806 Poznań, Poland
Telephone / Fax: Phone: (+48) 723 832 629
E-mail: e-mail: biuro@businessprospect.pl

www.businessprospect.pl

1.4. Emergency telephone number.

Company telephone number: at work from 8-16 **CEST, UTC +2**, +48 / 732-832-629.
In urgent cases: POLAND (112 general emergency telephone number), 998 (fire brigade),
999 (medical emergency).

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture.

Mixture classification according to Regulation (EC) No 1272/2008, [CLP].

Flam.Liq.2	H225 Highly flammable liquid and vapor.
Eye Irrit. 2	H319 Causes serious eye irritation.

2.2 Label elements.

Hazard pictograms and signal word.



Danger.

Hazard statements:

H226: Flammable liquid and vapor.

H319: Causes serious eye irritation.

Precautionary statements:

P102: Keep out of the reach of children.

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

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

P501: Dispose of contents / container to properly labeled waste containers in accordance with national regulations.

2.3 Other hazards.

The ingredients of the mixture do not meet the criteria for PBT or vPvB in accordance with Annex XIII of the REACH Regulation.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS



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3.1. Substance: not applicable.

3.2 Mixtures: denatured ethyl alcohol. The contaminants used are contained in quantities not required to be included in the product classification.

Name of the substance	Substance identifier	Classification according to 1272/2008 [CLP]
Ethyl alcohol, ethanol 1	Content: <70% CAS: 64--17-5 EC: 200-578-6 Index number: 603-002-00-5 REACH registration number: 01-211945710-43-XXXX	Flam. Liq2, H225 Eye Irrit. 2, H319
Gliceryna 2	Content: > 0.1% CAS: 56-81-5 EC: 200-289-5 Index number: lack REACH registration number: lack	The substance is not classified as hazardous.

Note: 1,2 - substances with national occupational exposure limit values.
The full text of H phrases is given in section 16 of the card.

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures.

In contact with skin:

product intended for use on the skin. In case of worrying symptoms, rinse skin with running water, consult a doctor.

In contact with eyes:

contaminated eyes, rinse immediately with a continuous stream of water, remove contact lenses (if any) and continue rinsing for approx. 15 min. Keep eyelids wide open and rinse while rinsing eyeball. If symptoms occur and persist, consult a doctor.

In case of ingestion:

Do NOT induce vomiting. Give the victim 1-2 cups of water to drink. Consult a doctor if necessary.

After inhalation:

move the victim into fresh air, keep him warm and calm. Consult a physician if disturbing symptoms occur.

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

In contact with eyes:

redness, tearing, burning.

In contact with skin:

are not known.

4.3. Indication of any immediate medical attention and detailed treatment of the victim.

No data available.

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media.



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Suitable extinguishing media: carbon dioxide, dry chemical, foam, water spray.

Unsuitable extinguishing media: compact water currents, danger of fire spreading.

5.2. Special hazards arising from the substance or mixture.

During combustion, harmful gases may be formed; among others carbon oxides. Avoid breathing combustion products, they can pose health risks.

5.3. Information for fire brigades.

Flammable. General protective measures in the event of fire.

Do not stay in the fire hazard zone without suitable chemical-resistant clothing.

Containers exposed to fire or high temperature cool with dispersed currents of water, from a safe distance.

Do not allow to enter sewage after fire fighting in the sewage system and water outlets.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures.

Limit access by unauthorized persons to the area of failure until the appropriate cleaning operations are completed. Ensure that troubleshooting is only carried out by trained personnel.

In the event of large spills, isolate the affected area. Avoid contact with eyes, skin and clothing.

Remove sources of ignition, extinguish open flame, do not smoke.

6.2. Environmental precautions.

Do not allow the product to enter drains, waters or soil. If possible and safe, eliminate or limit leakage; seal, close the liquid supply, place the damaged container in an emergency container. In the event of release of large quantities of the product and environmental pollution, inform the appropriate services.

6.3. Methods and materials for containment and cleaning up.

Place damaged packaging in an airtight protective packaging. Absorb smaller amounts of released product with inert, non-flammable absorbent material (e.g. soil, sand, vermiculite), collect in a closed, labeled waste container. Clean the dirty surface with water and detergent. Flush residues with water. Dispose of in accordance with applicable regulations.

6.4. Reference to other sections.

Personal protection equipment - see section 8 of the card.

Disposal considerations - see section 13 of the sheet.

SECTION 7. HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES

7.1. Precautions for safe handling.

The basic hygiene rules should be followed; do not eat, drink or smoke in the workplace; Wash hands with soap and water after finishing work. Use personal protective equipment in accordance with the information contained in section 8 of the safety data sheet. Take off contaminated clothing immediately, clean / wash before reuse. Ensure adequate ventilation. Do not allow electrostatic charges to accumulate.

7.2. Conditions for safe storage, including any and mutual information incompatibilities.

The product should be stored in tightly closed, properly labeled containers in a cool, well-ventilated room.

Keep away from heat and strong oxidants.

7.3. Specific end use (s).

No additional information.



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SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters:

Name of the chemical	NDS, mg / m ³	NDSch, mg / m ³	NDSP, mg / m ³
Ethanol [CAS 64-17-5]	1800	-	-
Glycerin [56-81-5]	10	-	-

Legal basis: Regulation of the Minister of Labor and Social Policy of June 12, 2018 regarding the highest allowable concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 3 July 2018, item 1286).

8.2. Exposure Control:

Observe the general principles of safety and hygiene. Preferred local lift.

Environmental exposure control.

Report spilled product or uncontrolled spills to surface waters to appropriate authorities in accordance with national and local regulations. To be disposed of as chemical waste in accordance with national and local regulations.

8.1.2. Recommendations for the procedure for monitoring the content of hazardous components in the air - measurement methodology.

Recommended methods for determining air purity:

PN-EN 689: 2018-07, English version. "Occupational exposure - Measurement of inhalation exposure to chemical agents - Strategy for testing compliance with limit values"





PN-Z-04008-7: 2002 / AZ1: 2004, Polish version. "Rules for taking air samples in the work environment and interpretation of results".

8.2. Exposure Control.

8.2.1. Appropriate technical protection measures.

Ensure adequate exhaust ventilation. Do not use near high temperature and ignition sources. Do not eat, drink or smoke when using this product.

8.2.2. Individual protection measures, such as personal protective equipment.

	Respiratory tract:	adequate ventilation is not required. In the event of high vapor concentrations, breakdowns or exceeding of the maximum permissible concentrations, use suitable respiratory protective equipment with the appropriate organic vapor absorber.
	Hands:	not required
	Eyes:	use safety glasses if there is a risk of eye contamination.
	Skin and body:	is not required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:



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Look:	colorless liquid
Smell:	characteristic of ethanol.
Odor Threshold:	not marked.
pH:	undefined.
Melting point / freezing point:	not marked.
Initial boiling point and boiling range:	not marked.
Flash point: [°C]	About 23°C.
Evaporation rate:	not marked.
Flammability (solid, gas):	not applicable.
Upper / lower flammability / explosive limits:	not marked.
Vapor pressure:	not marked.
Vapor Density:	not marked.
Product Density:	not marked.
Solubility:	not marked.
N-octane / water partition coefficient:	not marked.
Auto-ignition temperature [°C]:	not marked.
Decomposition Temperature:	not marked.
Dynamic viscosity:	≥ 250, [mPa.s] at 20°C.
Explosive properties:	does not show.
Oxidizing Properties:	does not show.

9.2. Other informations: No additional test results.

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity:

The product reacts with strong oxidants, alkali metals, metal oxides, acids.

10.2. Chemical stability:

The product is stable when properly used and stored.

10.3. Possibility of hazardous reactions:

Reaction with light metals may give off hydrogen.

10.4. Conditions to avoid:

High temperature, heat sources, open fire.

10.5. Incompatible materials:

Strong oxidizers, acids, alkali metals, metal oxides.

10.6. Hazardous decomposition products:

Under recommended storage and working conditions, there are no hazardous decomposition products.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Toxicity of components

Ethanol

LD50 (oral, rat) 7060 mg / kg

LD50 (oral, mouse) 3450 mg / kg

LC50 (inhalation, rat) > 20 mg / l / 4h

Glycerine.

LD50 (oral, rat) 12,600 mg / kg

LC50 (inhalation, rat) > 570 mg / m³ / 1h

Mixture toxicity

Acute toxicity



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

Skin corrosion / irritation

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

Serious eye damage / eye irritation

The mixture is irritating to the eyes.

Respiratory or skin sensitization

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

Germ cell mutagenicity

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

Carcinogenic effects

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

Harmful to reproduction

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

Specific target organ toxicity - single exposure

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

Specific target organ toxicity - repeated exposure

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

Threat caused by aspiration

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

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Toxicity of components

Ethanol [CAS 64-17-5]

Toxicity to fish LC50 12 900-15 300 mg / l / 96h rainbow trout

Toxicity to bacteria EC50 34 900 mg / l / 5-30 min.

Glycerine

Toxicity to fish LC50 67 500 mg / l / 96h Oncorhynchus mykiss.

Mixture toxicity

The product is not classified as hazardous to the environment.

12.2. Persistence and degradability

The product is easily biodegradable.

12.3. Bioaccumulative potential

Does not show bioaccumulation potential.

12.4. Mobility in soil

Mobility in soil low.

12.5. Results of PBT and vPvB assessment:

Not applicable.

12.6. Other adverse effects:

The product does not affect global warming and ozone layer depletion.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods.

Product recommendation; Dispose of in accordance with applicable regulations. Store the remains in their original packaging. Do not empty into drains.

The waste code is assigned at the place of its production.

Handling packaging. Recovery (recycling) or disposal of packaging waste should be carried out in accordance with applicable regulations. Reusable packaging, after cleaning, reuse. Waste disposal should be carried out in professional, authorized incineration plants or waste treatment / disposal plants.



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Announcement of the Marshal of the Sejm of the Republic of Poland of 15 March 2019 regarding the publication of a uniform text of the Waste Act, (Journal of Laws of 16 April 2019, item 701), as amended.

Regulation of the Minister of Climate of 2 January 2020 on the waste catalog, (Journal of Laws of 3 January 2020, item 10).

Announcement of the Marshal of the Sejm of the Republic of Poland of February 22, 2019 regarding the publication of a uniform text of the Act on packaging packaging and packaging waste (Journal of Laws of March 22, 2019, item 1542).

SECTION 14. TRANSPORT INFORMATION

14.1. UN number

Land transport:	1993
Maritime transport:	1993
Air Transport:	1993

14.2. UN proper shipping name

Land transport:	FLAMMABLE LIQUID, INO (ethanol)
Maritime transport:	FLAMMABLE LIQUID, INO (ethanol)
Air Transport:	FLAMMABLE LIQUID, INO (ethanol)

14.3. Transport hazard class (es)

Land transport:	3
Maritime transport:	3
Air Transport:	3

14.4. Packing group

Land transport:	III
Maritime transport:	III
Air Transport:	III

14.5. Environmental hazards:

not applicable.

14.6. Special precautions for users:

not applicable.

14.7.

not applicable.

SECTION 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations specific for substances and mixtures.

- Corrigendum to Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH). Dz.U.U.E. L 132 of 29 May 2015.
- Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006. on the registration, evaluation, authorization and restriction of chemicals (REACH).
- Regulation (EC) 1907/2006 of the European Parliament and of the Council of 18 December 2006 on the registration, evaluation, authorization and restriction of chemicals (REACH), establishment of the European Chemicals Agency, amending Directive 1999/45 / EC and repealing Regulation Council (EEC) No 793/93 and Commission Regulation (EC) No 1488/94, as well as Council Directive 76/769 / EEC and Commission Directives 91/155 / EEC, 93/67 / EEC, 93/105 / EC and 2000 / 21 / EC, (corrigendum of the Journal of Laws EU No. 136 of 29 May 2007, as amended).
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of December 16, 2008. on the classification, labeling and packaging of substances and mixtures, amending and repealing directives 67/548 / EEC and 1999/45 / EC and amending Regulation (EC) No 1907/2006, (OJ EU L.353 of 31 December 2008 as amended).



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15.1. Safety, health and environmental regulations specific for substances and mixtures.

- Announcement of the Minister of Health of 12 January 2015 on the announcement of a uniform text of the Regulation of the Minister of Health on the criteria and method of classification of chemical substances and mixtures thereof. (Journal of Laws of February 12, 2015, item 208).
- Announcement of the Marshal of the Sejm of the Republic of Poland of 24 November 2017 regarding the publication of a uniform text of the Act on chemical substances and their substances (Journal of Laws of 17 January 2018, item 143).
- Regulation of the Minister of Labor and Social Policy of June 12, 2018 regarding the highest allowable concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 3 July 2018, item 1286).
- Regulation of the Minister of Economy, Labor and Social Policy of December 21, 2005 on the essential requirements for personal protective equipment (Journal of Laws of 2005, No. 259, item 2173).
- Announcement of the Minister of Health of 9 September 2016 on the publication of a uniform text of the
- Regulation of the Minister of Health in occupational health and safety related to the occurrence of chemical agents in the workplace (Journal of Laws of 16 September 2016, item 1488).
- Regulation of the Minister of Health of 25 August 2015 on how to mark places, pipelines and containers and tanks used for storage or containing hazardous substances or hazardous mixtures. (Journal of Laws of September 11, 2015, item 1368).
- Announcement of the Marshal of the Sejm of the Republic of Poland of 10 May 2018 regarding the publication of a uniform text of the Waste Act, (Journal of Laws of 24 May 2018 item 992)
- Commission Directive 2013/10 / EU of 19 March 2013 on the approximation of the laws of the Member States relating to aerosol dispensers in order to align its labeling provisions with Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labeling and packaging of substances and mixtures. (OJ EU L 77 of 20 March 2013).
- Regulation of the Minister of the Environment of December 9, 2014 regarding the waste catalog, (Journal of Laws of December 29, 2014, item 1923).
- Announcement of the Minister of Health on 19 September 2014 on the publication of a uniform text of the
- Regulation of the Minister of Health on the category of dangerous substances and dangerous mixtures, whose packaging is equipped with closures making it difficult for children to open and tactile warning of danger (OJ of November 17 2014, item 1604).
- Act of 12 October 2017 amending the act on packaging management and some other acts (Journal of Laws of November 7, 2017, item 2056).
- Act of 13 June 2013. on the management of packaging and packaging waste (Journal of Laws 2013 item 888), as amended.
- Announcement of the Marshal of the Sejm of the Republic of Poland of 19 October 2016 regarding the publication of a uniform text of the Act on packaging management and packaging waste (Journal of Laws of 17 November 2016, item 1863).
- European agreement concerning the international carriage of dangerous goods by road, done at Geneva on 30 September 1957, together with the amendments in force from the date of their entry into force in relation to the Republic of Poland, properly announced.
- Act of 19 August 2011 on the transport of dangerous goods (Journal of Laws of 2011, item 1367).

15.2. Chemical safety assessment.

Not required for a mixture.

SECTION 16. OTHER INFORMATION

16.1. Changes made by updating.

Not applicable - 1st edition.

16.2. Explanation of abbreviations and acronyms used in the safety data sheet.



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ADR	European agreement concerning the international carriage of dangerous goods by road.
CLP	Regulation on classification, labeling and packaging; Regulation (EC) No 1272/2008.
EC50	The concentration at which a 50% reduction in growth or growth rate is observed.
ICAO	Technical instructions for the safe transport of dangerous goods by air.
IATA	International Air Transport Association.
IMDG	International Maritime Dangerous Goods Code.
NDS	The highest acceptable concentration.
STEL	Maximum allowable instantaneous concentration.
TLV	Maximum permitted ceiling concentration.
LC50	Lethal concentration for 50% of the research population.
LD50	Lethal dose for 50% of the research population
PBT	(Substance) Persistent, bioaccumulative and toxic.
PNEC	Expected concentration not causing changes in the environment.
RID	Regulations for the international carriage of dangerous goods by rail.
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials.
(VPvP)	(Substance) Very persistent, very bioaccumulating.
16.3.	Full text of the H-phrases referred to in Section 3 according to CLP:
H225	Highly flammable liquid and vapor.
H319	Causes serious eye irritation.

The safety data sheet has been prepared on the basis of data provided by the manufacturers of the product ingredients, national provisions in force at the time of drawing up the Data Sheet and possessed knowledge. Workers using the product should be trained in health risks, hygiene requirements, the use of individual protection and in accident prevention measures.

The safety data sheet is not a certificate of product quality. The data contained in the Charter should be treated only as an aid to the safe handling of transport, distribution, use and storage. The information contained in the Card applies only to the product listed and its specific uses. They may be out of date or insufficient for this product when used in combination with other materials or in applications other than those listed in the Card.

The user of the product is obliged to comply with all applicable standards and regulations, and also bears full responsibility arising from the misuse of information contained in the Data Sheet or from improper use of the product.

END OF SAFETY DATA SHEET