

SAFETY DATA SHEET
according to Regulation (EC) 1907/2006/WE (REACH), 2015/830/EU
CLEANSING GEL FOR HANDS WITHOUT USING WATER
(70% ETHYL ALCOHOL)

CREATED: 03. 2020

VERSION 1.0. EN

SECTION 1. IDENTIFICATION**1.1 Product identifier**

CLEANSING GEL FOR HANDS WITHOUT USING WATER (70% ETHYL ALCOHOL)

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

Identified uses: Cosmetic.

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Manufacturer or supplier's details

ESSIM B.V.
De Sleutel 7
5652 AS Eindhoven
Netherlands
Telephone: + (10)(20)
e-mail: info@essim.nl
Website: www.essim.nl

1.4 Emergency telephone number

112 (emergency number)

SECTION 2. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No. 1272/2008 [CLP / GHS]

Flam. Liq. 2 H225, Eye Irrit. 2 H319**Highly flammable liquid and vapor. Causes serious eye irritation****2.2 Label elements****WARNING**

SAFETY DATA SHEET
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CLEANSING GEL FOR HANDS WITHOUT USING WATER
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Hazard statements

H225 Highly flammable liquid and vapor.

H319 Causes serious eye irritation.

Precautionary statements

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

P102 Keep out of reach of children.

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

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

P403 + P235 Store in a well-ventilated place. Keep in a cool place.

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

* In accordance with art. 1 point 4 of the Act of 25 February 2011 on chemical substances and their mixtures (Journal of Laws No. 63, item 322, as amended), the provisions of this Act shall not apply to cosmetic products. Therefore, these products do not have to be labeled in accordance with Regulation (EC) No 1272/2008 / EC of the European Parliament and of the Council of 16 December 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 as amended d. The labeling of the unit packaging of the cosmetic product should contain information in accordance with Article 19 of Regulation (EC) No. 1223/2009 of the European Parliament and of the Council of November 30, 2009 regarding cosmetic products, as amended d. and the Act of 4 October 2018 on cosmetic products.

2.3 Other hazards

The components of the mixture do not meet the PBT or vPvB criteria according to Annex XIII of the REACH Regulation

SAFETY DATA SHEET
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CLEANSING GEL FOR HANDS WITHOUT USING WATER
(70% ETHYL ALCOHOL)

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VERSION 1.0. EN

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substance**

Not applicable.

3.2 Mixture

Chemical name	Identifier	Concentration [%]	Classification Regulation (EC) No. 1272/2008 [CLP]
Ethanol	CAS: 64-17-5 WE: 200-578-6 Index: 603-002-00-5 REACH: 01-2119457610-43-XXXX	> 70,0%	Flam. Liq. 2 H225, Eye Irrit. 2 H319 Stężenie graniczne: Eye Irrit. 2 H319: C ≥ 50%
Propan-2-ol	CAS: 67-63-0 WE: 200-661-7 Index: 603-117-00-0 REACH: 01-2119457558-25-XXXX	< 1,0%	Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336
Butanon	CAS: 78-93-3 WE: 201-159-0 Index: 606-002-00-3 REACH: 01-2119457290-43-XXXX	< 1,0%	Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336 - Niebezpieczeństwo

Full text of H-statements in section 16.

SECTION 4. FIRST AID MEASURES**4.1 Description of first aid measures**

In contact with skin: the product is a cosmetic product, therefore it is intended for skin contact. However, if disturbing symptoms occur, rinse thoroughly with water. Consult a doctor if necessary.

In contact with eyes: rinse contaminated eyes thoroughly with water for 10-15 min, avoid strong water stream - risk of corneal damage, consult a doctor in case of disturbing symptoms. Protect non-irritated eye, remove contact lenses.

SAFETY DATA SHEET
according to Regulation (EC) 1907/2006/WE (REACH), 2015/830/EU
CLEANSING GEL FOR HANDS WITHOUT USING WATER
(70% ETHYL ALCOHOL)

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VERSION 1.0. EN

If swallowed: Rinse mouth with water. Do not induce vomiting. Consult a doctor - show the packaging.

After inhalation: move the victim to fresh air, keep warm and calm. If disturbing symptoms appear, consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Ingestion: stomach ache, nausea, balance and coordination disorder, intoxication-like symptoms.

Eye contact: eye irritation, possible burning and redness.

After inhalation: in the case of high concentration of vapors, the product may cause headache, dizziness.

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

The doctor decides about the procedure to be followed by a thorough assessment of the injured person's condition.

SECTION 5. FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable extinguishing media: alcohol-resistant foam concentrates, water fog, dry chemical, CO₂.

Unsuitable extinguishing media: water in full stream - risk of fire spreading.

5.2 Special hazards arising from the substance or mixture

During combustion, toxic exhaust gases may be formed containing, among others carbon oxides.

Avoid breathing combustion products, they can pose a health risk.

5.3 Advice for firefighters

Cool endangered containers from a safe distance with a spray of water. General protective measures in the event of fire. Do not stay in the fire endangered area without suitable chemical-resistant clothing and a self-contained breathing apparatus. Collect used extinguishing media.

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CLEANSING GEL FOR HANDS WITHOUT USING WATER
(70% ETHYL ALCOHOL)

CREATED: 03. 2020

VERSION 1.0. EN

SECTION 6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Ensure that failure recovery and its effects are performed only by trained personnel. Limit the access of bystanders to the area of failure until the end of the relevant cleaning operations. In the event of major failures, isolate the affected area.

6.2 Environmental precautions

If larger quantities of the product are released, steps should be taken to prevent spreading in the wild. Notify appropriate emergency services.

6.3 Methods and materials for containment and cleaning up

Absorb with liquid-absorbent materials (e.g. sand, earth, universal binders, silica, vermiculite, etc.) and place in labeled containers. Treat collected material as waste. Flush contaminated area with water

6.4 Reference to other sections

Product waste management - see section 13.

SECTION 7. HANDLING AND STORAGE**7.1 Precautions for safe handling**

Work in accordance with the principles of health and safety. Avoid eye contamination. Keep unused containers tightly closed. Use as intended.

7.2 Conditions for safe storage, including any incompatibilities

Store only in original, tightly closed containers. Recommended storage temperature 4-25 ° C. Store away from direct sunlight and heat sources. Do not keep together with food and animal feeds. Protect from frost.

7.3 Specific end use (s)

The cosmetic product is intended for cleaning hands. Avoid contact of fluid with eyes, do not ingest.

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 according to Regulation (EC) 1907/2006/WE (REACH), 2015/830/EU
CLEANSING GEL FOR HANDS WITHOUT USING WATER
(70% ETHYL ALCOHOL)

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VERSION 1.0. EN

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

Ingredient	NDS	NDSch	NDSP	DSB
etanol [CAS 64-17-5]	1 900 mg/m ³	-	-	-
propan-2-ol * [CAS 67-63-0]	900 mg/m ³	1 200 mg/m ³	-	-
glicerol [CAS 56-81-5]	10 mg/m ³	%	-	-
butanon [78-93-3]	450 mg/m ³	900 mg/m ³	-	-

Recommended monitoring procedures

Procedures for monitoring the concentrations of hazardous components in the air and procedures for controlling air cleanliness in the workplace should be used - if they are available and justified at a given position - in accordance with relevant Polish or European Standards, taking into account the conditions prevailing at the place of exposure and appropriate measurement methodology adapted to the conditions work. The mode, type and frequency of tests and measurements should meet the requirements of the MZ Regulation of February 2, 2011 (Journal of Laws 2011, No. 33, item 166, as amended).

DNEL (employees):

Identification		Systematic	Local	Systematic	Local
Ethanol CAS: 64-17-5 WE: 200-578-6	Oral	No data	No data	No data	No data
	Dermal	No data	No data	No data	No data
	Inhalation	No data	No data	No data	No data
Propan-2-ol CAS: 56-81-5 WE: 200-289-5	Oral	No data	No data	No data	No data
	Dermal	No data	No data	No data	No data
	Inhalation	No data	No data	No data	No data

SAFETY DATA SHEET
 according to Regulation (EC) 1907/2006/WE (REACH), 2015/830/EU
CLEANSING GEL FOR HANDS WITHOUT USING WATER
(70% ETHYL ALCOHOL)

CREATED: 03. 2020

VERSION 1.0. EN

DNEL (pracowników):

Identification		Systematic	Local	Systematic	Local
Etanol CAS: 64-17-5 WE: 200-578-6	Oral	No data	87 mg/kg	No data	No data
	Dermal	No data	No data	206 mg/kg	No data
	Inhalation	No data	950 mg/m ³	114 mg/m ³	No data
Propan-2-ol CAS: 56-81-5 WE: 200-289-5	Oral	No data	No data	26 mg/kg	No data
	Dermal	No data	No data	319 mg/kg	No data
	Inhalation	No data	No data	89 mg/m ³	No data

PNEC:

Identification				
Ethanol CAS: 64-17-5 WE: 200-578-6	Sewage treatment plant	580 mg/L	Fresh water	0,96 mg/L
	Soil	No data	Sea waters	0,79 mg/L
	Sporadic	2,75 mg/L	Sediment (fresh water)	3,6 mg/kg
	Oral	720 g/kg	Sediment (sea water)	No data
Propan-2-ol CAS: 56-81-5 WE: 200-289-5	Sewage treatment plant	2251 mg/L	Fresh water	140,9 mg/L
	Soil	28 mg/kg	Sea waters	140,9 mg/L
	Sporadic	140,9 mg/L	Sediment (fresh water)	552 mg/kg
	Oral	160 g/kg	Sediment (sea water)	552 mg/kg
Butanon CAS: 78-93-3 WE: 201-159-0	Sewage treatment plant	709 mg/L	Fresh water	55,8 mg/L
	Soil	22,5 mg/kg	Sea waters	55,8 mg/L
	Sporadic	55,8 mg/L	Sediment (fresh water)	284,74 mg/kg
	Oral	1000 g/kg	Sediment (sea water)	284,7 mg/kg

8.2 Exposure control

Observe the general principles of safety and hygiene. Do not eat, drink or smoke while working.
 Wash your hands thoroughly before breaks and after finishing work. Avoid contact with eyes. Take

SAFETY DATA SHEET
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CLEANSING GEL FOR HANDS WITHOUT USING WATER
(70% ETHYL ALCOHOL)

CREATED: 03. 2020

VERSION 1.0. EN

off contaminated clothing and wash before reuse. Ensure adequate ventilation at the workplace. If during the work processes there is a risk of employees being exposed to caustic agents or inflammation of clothing on the employee - no more than 20 m in a horizontal line from the positions where these processes are carried out, emergency showers (safety showers) for washing the whole body and separate showers (showers) for washing eyes ..

Hand and body protection

It is not required during the intended use.

Eye protection

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

Respiratory protection

It is not required during the intended use and with proper ventilation.

Environmental exposure control

Do not allow large quantities of product to enter ground water, sewage system, sewage or soil. Possible emissions from ventilation systems and process equipment should be checked to determine their compliance with the requirements of environmental protection laws.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- physical state / form: fluid
- color: colorless, slightly cloudy
- Aroma: characteristic of the oils used
- odor threshold: not determined
- pH value: not determined
- melting point / freezing point: - 117 ° C (ethanol)
- initial boiling point: 78.3 ° C (ethanol)
- flash point: not determined
- evaporation rate: not applicable
- flammability (solid, gas): not applicable
- upper / lower explosion limit: 15% volume / 3.5% volume (ethanol)
- vapor pressure: not applicable
- vapor density: not applicable
- density: 0.830 ± 0.05 g / ml (20C)

SAFETY DATA SHEET
according to Regulation (EC) 1907/2006/WE (REACH), 2015/830/EU
CLEANSING GEL FOR HANDS WITHOUT USING WATER
(70% ETHYL ALCOHOL)

CREATED: 03. 2020

VERSION 1.0. EN

- solubility: dissolves in water
- partition coefficient: n-octanol / water: not determined
- Auto-ignition temperature: 425 °C (ethanol)
- decomposition temperature: not determined
- explosive properties: does not show
- oxidizing properties: does not show

9.2 Other information

No data.

SECTION 10. STABILITY AND REACTIVITY**10.1 Reactivity**

Reactive product. Does not undergo hazardous polymerization. Product vapors may form explosive mixtures with air. See also section 10.3 - 10.5.

10.2 Chemical stability

The product is stable when used properly and stored.

10.3 Possibility of hazardous reactions

The product may react with light metals and give off hydrogen.

10.4 Conditions to avoid

Protect from light and temperature above 30C and against freezing.

10.5 Incompatible materials

Strong oxidizers, acids, light metals.

10.6 Hazardous decomposition products

They are not known.

SECTION 11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Mixture

Information on acute and / or delayed effects of exposure has been determined on the basis of product classification information and / or toxicological studies, as well as the manufacturer's knowledge and experience.

SAFETY DATA SHEET
 according to Regulation (EC) 1907/2006/WE (REACH), 2015/830/EU
CLEANSING GEL FOR HANDS WITHOUT USING WATER
(70% ETHYL ALCOHOL)

CREATED: 03. 2020

VERSION 1.0. EN

Identification	Acute Toxicity	Value	Animal
etanol	LD50 Oral	7060 mg/kg	Szczur
CAS: 64-17-5	LD50 dermal	20000 mg/kg	Królik
EC: 200-578-6	LC50 inhalation	20000 mg/kg	Królik
Propan-2-ol	LD50 Oral	5280 mg/kg*	Szczur
CAS: 67-63-0	LD50 dermal	12800 mg/KG*	Szczur
EC: 200-661-7	LC50 inhalation	72,6 mg/L (4 h)*	Szczur
Butanon	LD50 Oral	4000 mg/KG*	Szczur
CAS: 78-93-3	LD50 dermal	6400 mg/KG*	Królik
EC: 201-159-0	LC50 inhalation	23,5 mg/L (4 h)	Szczur

Acute toxicity

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

Causes serious eye irritation.

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.

SAFETY DATA SHEET
 according to Regulation (EC) 1907/2006/WE (REACH), 2015/830/EU
CLEANSING GEL FOR HANDS WITHOUT USING WATER
(70% ETHYL ALCOHOL)

CREATED: 03. 2020

VERSION 1.0. EN

SECTION 12. ECOLOGICAL INFORMATION**12.1 Toxicity**

Identyfikacja	Acute Toxicity		Type	Type
Etanol CAS: 64-17-5 EC: 200-578-6	LC50	11000 mg/L (96 h)	Alburnus alburnus	Ryba
	EC50	9268 mg/L (48 h)	Daphnia magna	Skorupiak
	EC50	1450 mg/L (192 h)	Microcystis aeruginosa	Wodorost
Propan-2-ol CAS: 67-63-0 EC: 200-661-7	LC50	9640 mg/L (96 h)	Pimephales promelas	Ryba
	EC50	13299 mg/L (48 h)	Daphnia magna	Skorupiak
	EC50	1000 mg/L (72 h)	Scenedesmus subspicatus	Wodorost
Butanon CAS: 78-93-3 EC: 201-159-0	LC50	3220 mg/L (96 h)	Pimephales promelas	Ryba
	EC50	5091 mg/L (48 h)	Daphnia magna	Skorupiak
	EC50	4300 mg/L (168 h)	Scenedesmus quadricauda	Wodorost

The product is not classified as hazardous to the environment

12.2 Persistence and degradability

Identification	Degradability		Biodegradability	
etanol CAS: 64-17-5 EC: 200-578-6	BZT5	No data	Concentration	100 mg/L
	ChZT	No data	Period	14 days
	BZT5/ChZT	0,57	% biodegradable	89%
Propan-2-ol CAS: 67-63-0 EC: 200-661-7	BZT5	1.19 g O2/g	Concentration	100 mg/L
	ChZT	2.23 g O2/g	Period	14 days
	BZT5/ChZT	0,53	% biodegradable	86%

12.3 Bioaccumulative potential

Identification	Bioaccumulative potential	
Etanol CAS: 64-17-5 EC: 200-578-6	BCF	3
	Log POW	-0,31
	Potential	Low
Propan-2-ol CAS: 67-63-0 EC: 200-661-7	BCF	3
	Log POW	0,05
	Potential	Low

SAFETY DATA SHEET
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CLEANSING GEL FOR HANDS WITHOUT USING WATER
(70% ETHYL ALCOHOL)

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VERSION 1.0. EN

12.4 Mobility in soil

Identification	Absorption / desorption		Variability	
etanol	Blanket	1	Stala Henry'ego	4,61E-1 Pa·m ³ /mol
CAS: 64-17-5	Conclusions	Very High	Dry soil	Yes
EC: 200-578-6	Surface tension	2,339E-2 N/m (25 °C)	Moist soil	Yes
Propan-2-ol	Blanket	1,5	Stala Henry'ego	8,207E-1 Pa·m ³ /mol
CAS: 67-63-0	Conclusions	Very High	Dry soil	Yes
EC: 200-661-7	Surface tension	2,24E-2 N/m (25 °C)	Moist soil	Yes

12.5 Results of PBT and vPvB assessment

Not applicable.

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. the ability to disturb endocrine economy, impact on global warming) should be considered.

SECTION 13. DISPOSAL CONSIDERATIONS**10.1 Waste treatment methods**

Recommendations for the mixture: dispose of in accordance with applicable regulations. Store the remains in airtight containers. Small amounts can be disposed of as household waste. Depending on the application, the waste code should be assigned individually.

Recommendations for used packaging: recovery / recycling / disposal of packaging waste carried out in accordance with applicable regulations. Do not mix with other waste.

Community legal acts: Directives of the European Parliament and of the Council: 2008/98 / EC and 94/62 / EC.

Polish national legal acts: Dz. Laws 2013, item 21 with later d. ; Dz. Laws 2013, item 888.

SAFETY DATA SHEET
according to Regulation (EC) 1907/2006/WE (REACH), 2015/830/EU
CLEANSING GEL FOR HANDS WITHOUT USING WATER
(70% ETHYL ALCOHOL)

CREATED: 03. 2020

VERSION 1.0. EN

SECTION 14. TRANSPORT INFORMATION**14.1 UN number (UN number)**

UN 1987

14.2 UN proper shipping name

ETHANOL (ETHYL ALCOHOL)

14.3 Transport hazard class (es)

3

14.4 Packing group

II

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for users

Avoid ignition source.

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

Not applicable.

**SECTION 15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations specific for the substance or mixture**

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

Regulation of the Minister of Labor and Social Policy of June 6, 2014 regarding the highest allowable concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2014, item 817).

The Waste Act of December 14, 2012 (Journal of Laws 2013, item 21, as amended).

Act of 13 June 2013 on the management of packaging and packaging waste (Journal of Laws 2013, item 888).

Regulation of the Minister of the Environment of December 9, 2014 regarding the waste catalog (Journal of Laws of 2014, item 1923).

Regulation of the Minister of Economy of December 21, 2005 on the essential requirements for personal protective equipment (Journal of Laws No. 259, item 2173).

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

European ADR agreement on the international carriage of dangerous goods by road.

SAFETY DATA SHEET
according to Regulation (EC) 1907/2006/WE (REACH), 2015/830/EU
CLEANSING GEL FOR HANDS WITHOUT USING WATER
(70% ETHYL ALCOHOL)

CREATED: 03. 2020

VERSION 1.0. EN

1907/2006 / EC Regulation on the registration, evaluation, authorization and use of restrictions in the field of chemicals (REACH), establishment of the European Chemicals Agency, amending Directive 1999/45 / EC and repealing Council Regulations (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 d.

1272/2008 / EC Regulation of the European Parliament and of the Council of 16 December 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 together with d.

2015/830 / EC Commission Regulation 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).

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

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

15.2 Chemical safety assessment

Under REACH, there is no obligation to carry out a chemical safety assessment for chemical mixtures.

SECTION 16. OTHER INFORMATION**Full text of H-statements from section 3 of the card:**

H225 Highly flammable liquid and vapor.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Explanation of abbreviations and acronyms

PBT Persistent, bioaccumulative and toxic substances

vPvB Substances very persistent and very bioaccumulating

NDS Occupational Exposure Limit

NDSch Maximum Occupational Concentration

NDSP Maximum Permissible Ceiling Concentration

DSB Acceptable Concentration in Biological material

PNEC Predicted No Effect Concentration

DNEL No effect level

SAFETY DATA SHEET
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CLEANSING GEL FOR HANDS WITHOUT USING WATER
(70% ETHYL ALCOHOL)

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VERSION 1.0. EN

Flam. Liq. 2 Flammable liquid, category 2

STOT SE 3 Specific target organ toxicity - single exposure, category

Eye Irrit. 2 Eye irritation cat. 2

Training

Before working with the product, the user should be familiar with the principles of health and safety regarding the handling of chemicals, and in particular undergo appropriate workplace training.

Information Sources

The card has been developed on the basis of a safety data sheet provided by the manufacturer, literature data, online databases (e.g. ECHA, TOXNET, COSING) and possessed knowledge and experience, taking into account the currently applicable legal provisions.

Additional information

The classification was made on the basis of physicochemical tests and data on the content of hazardous ingredients by a calculation method based on the guidelines of Regulation 1272/2008 / EC (CLP).

Card issued by: **LNAWAR Sp.J.**

The above information was created based on currently available data characterizing the product as well as experience and knowledge possessed by the manufacturer in this respect. They do not constitute a quality description of the product or promise of specific properties. They should be treated as an aid for safe handling during transport, storage and use of the product. This does not release the user from liability for incorrect use of the above information and from compliance with all legal standards in this area.