

SAFETY DATA SHEET
Dermokil ® Hand Cleaning Gel

This safety data sheet prepared according to EC 1272/2008 and also T.C. 13 December 2014 - 29204 numbered, published by T.C Ministry of Enviroment 'Safety Data Sheets Preparation and Labelling of Harmful Substances and Mixtures'

1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Product identifier**

Product Name Dermokil ® Hand Cleaning Gel

Similar Name Dermokil® El Temizleme Jeli

INCI Name See 3.2

Moleculer Formula : --

CAS No# See 3.2

EC # See 3.2

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

Use Waterless Hand Cleaning Cosmetic Product

1.3. Details of the supplier of the safety data sheet

Manufacturer EZEL KOZMETİK İTH. VE İHR. TİC. VE SAN. A.Ş.
AHMET TURAN GAZİ O.S.B. MAH O.S.B. 8.SOK. NO:2/1 SIVAS/ TURKEY
TEL: +90 346 218 13 17 FAX :+90 346 218 13 59
www.dermokil.com.tr

4. Emergency telephone number :

Tel:+ 90 346 218 13 17
National Poison Solidarity Center (UZEM) 114 (for Turkey) or local Poison
Center
Emergency Health Center 112 (for TURKEY) or local Emergency Center

2 - HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

Classification (28848 T.C. and In compliance with EC regulation No. 1272/2008 and its amendments.)

H225 Flam.Liq 2

H319 Eye Irrit. 2

2.2 Label elements

Label (28848 T.C. and in compliance with EC regulation No. 1272/2008 and its amendments.)



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Danger**Warning****Hazard statements:**

H225 Highly flammable liquid and vapour Cat2
H319 Causes serious eye irritation Cat2

Prevention:

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P242 Use only non-sparking tools.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P370 + P378 In case of fire: Use dry chemicals, sand or alcohol resistant foam for extinction.

Storage

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

Disposal

P501 Dispose of contents/container to in accordance with local/regional/national/international regulation (to be specified).

2.3 Other hazards:

Flammable liquid

3 - COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances: -----****3.2. Mixtures:**

INGREDIENTS: Alcohol denat., Aqua, Isopropyl Alcohol, Carbomer, Chlorhexidine digluconate, Parfum, Glycerin, Aloe Barbadensis Leaf Extract, Clay, Sodium Hydroxide.

INCI	CAS NO	EINECS	% Concentration	TC 28848 and EC 1272/2008
Ethyl Alcohol	64-17-5	200-578-6	<65	H225 Flam Liq.2

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				H319 Eye Irrit.2
Isopropyl Alcohol	67-63-0	200-661-7	≤10	H225 Flam Liq.2 H319 Eye Irrit.2 H335 STOT SE 3 H336 STOT SE 3
Chlorhexidine digluconate	18472-51-0	242-354-0	≤0,25	H318 Eye Dam. 1 H410 Aquatic Chronic 1
Perfume			≤0,2	H315 Skin Irrit. 2 H317 Skin Sens. 1 H319 Eye Irrit.2
Sodium hydroxide	215-185-5	1310-73-2	<0,1	Skin Corr. 1A; H314: C ≥ %5 Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0,5 % ≤ C < 2 % Eye Irrit.2; H319: 0,5 % ≤ C < 2 %

4 - FIRST AID MEASURES

4.1. Description of first aid measures

General Precautions: In case of accident or if you feel unwell seek medical attention immediately.

Contact Eyes : If you have your contact lenses, remove, rinse with abundant quantity of water at least 15 minutes. Ask for medical attention if irritation occurs.

Contact Skin : Skin irritation is not expected. Seek medical attention in case of skin sensitivity. Take off contaminated clothing.

Inhalation: In the event of inhalation, irritation is not expected under the described usage.

Ingestion: In case of accidental ingestion of undiluted product wash mouth with plenty of water and call emergency number and seek medical advice.

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

Causes serious eye irritation.

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

Treat according to the symptoms.

5 - FIREFIGHTING MEASURES

5.1. Extinguishing media

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Water spray, Dry Chemicals, Alcohol-resistant foam or carbon dioxide.

Unsuitable extinguishing media: Do not use water jet as it will spread the fire.

5.2. Special hazards arising from the substance or mixture

May form explosive mixtures in the air. Do not breathe fumes.

In case of fire released harmful substances: Carbon oxides (CO_x),

5.3. Advice for firefighters:

Use extinguishing measures suitable for local conditions and the surrounding environment. Use water spray to cool unopened containers. Do not discharge fire wastes into water channels, collect them in waste containers. Dispose of waste according to regional rules. In case of fire, wear suitable protective clothing with self-breathing apparatus.

6 - ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

General precautions: Wear personal protective clothing. Use proper ventilation. Keep away from fire and spark sources. The material can create a slippery floor in spilled areas.

Small Spills : Put absorbing material on spill products (sand, diatomite, acid binders, sawdust, general binders) take it into appropriate waste containers. Clean the contaminated area with soap. Good ventilate the area, keep combustible materials away.

Large Spills: Put absorbing material on spill products (sand, diatomite, acid binders, sawdust, general binders) take it into appropriate waste containers. Clean the contaminated area with soap. Good ventilate the area, keep combustible materials away.

6.1.1. For those who are not first-aid Personnel:

Keep people away from and upwind of spill/leak.

6.1.2. For those who are first-aid Personnel:

Remove sources of heat, sparks or flames. Wear protective clothing, The amount of alcohol in the air may cause an explosion in case of spills. Ventilate the environment.

6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

Inform the relevant authorities if it enters into drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean contaminated material and area in accordance with environmental regulations.

6.4. Reference to other sections:

For personnel protection see section 8.

For toxicologic hazards see section 11.

For disposal consideration see section 13.

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7 - HANDLING AND STORAGE

7.1. Precautions for safe handling

It does not need to be taken any special measures when using in accordance with the terms of use. Keep away from items that spark ignition. Take precautions to prevent electrostatic charge buildup.

7.2. Conditions for safe storage, including any incompatibilities

Store it in cool and dry place. Packaging; Keep the product in its original packaging.

7.3. Specific end use(s)

The spesific end use described at section 1.2.

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Product is produced for hand cleaning . It is safe for those who are in contact with under recommended conditions of use.

8.1. Control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ethyl Alcohol	64-17-5	TWA	1,000 ppm 1,880 mg/m3	CA AB OEL
		STEL	1,000 ppm	CA BC OEL
		TWAEV	1,000 ppm 1,880 mg/m3	CA QC OEL
		STEL	1,000 ppm	ACGIH
Isopropyl Alcohol	67-63-0	TWA	200 ppm 492 mg/m3	CA AB OEL
		STEL	400 ppm 984 mg/m3	CA AB OEL
		TWA	200 ppm	CA BC OEL
		STEL	400 ppm	CA BC OEL
		TWAEV	400 ppm 983 mg/m3	CA QC OEL

8.2. Exposure controls:

Personal protection measures, such as personal protective equipment

No special measures necessary provided product is used correctly.

Engineering measures

Handle in accordance with good industrial hygiene and safety practice..

Respiratory protection:

Not applicable under recommended conditions of use

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Hand protection:

Not applicable under recommended conditions of use

Aeration:

Not applicable under recommended conditions of use.

Eye protection:

Avoid long term contact with eyes. If contact with eyes rinse with plenty of water. Ensure that eye flushing systems and safety showers are located close to the working place.

9 - PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Color	Transparent
Physical State	Gel
Odor	Charasteristic odored
PH	5-7(20 °C)
Viscosity	No data available
Density	0,95 -1.1 gr/cm3
Flash Point	No data available
Initial boiling point and boiling range	No data available
Flammability (solid, gas)	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Vapour pressure	No data available
Solubility(ies)	Water soluable
Partition coefficient: noctanol/water	No data available
Vapour pressure	No data available
Evaporation rate	No data available
PAO	12 Months
Raf Ömrü	36 Months
Toplam Mesophilic Aerobic Bacteria- TS ISO 21149	< 10 cfu/g
Pseudomonas aeruginosa- TS ISO 22717	Not Detected
E. Coli- TS ISO 21150	Not Detected
S.aureus – TS ISO 22718	Not Detected
Candida albicans – TS ISO 18416	Not Detected
Total Yeast-Mold – TS ISO 16212	<10 cfu/g

9.2. Other information

No data available.

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

Not classified as a reactivity hazard.

10.2. Chemical stability

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This mixture is stable under the recommended handling and storage conditions.

10.3. Possibility of hazardous reactions

Vapours may form explosive mixture with air.

10.4. Conditions to avoid

Avoid high heat, temperature, light .

10.5. Incompatible materials

Strong oxidizing agents , Flammable solids, Self-reactive substances and mixtures, Water-reactive substances.

10.6. Hazardous decomposition products

Carbon oxides, chlor.

11 - TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Oral Toxicity:

INCI	CAS NO	EINECS	LD50	LD50	LC50
Ethyl Alcohol	64-17-5	200-578-6	LD50 > 15,800 mg/kg <i>Dermal/rabbit</i>	10 470 mg/kg <i>Oral/rat</i> OECD 401	124,7 mg/l <i>/inhalation/</i> <i>4h/rat</i> OECD 403
Isopropyl Alcohol	67-63-0	200-661-7	12870 mg/kg <i>Dermal/rat</i>	5280 mg/kg <i>Oral/rat</i>	72,6 mg/l <i>/inhalation/</i> <i>4h/rat</i>
Chlorhexidine digluconate	18472-51-0	242-354-0	>5000 mg/kg <i>Dermal/rabbit</i>	>2000 mg/kg <i>Oral/rat</i>	

Inhalation:

No data available.

Ingestion:

No data available. In case an accidentally ingestion do not let victim to vomit.

Skin Contact:

In case of contact with skin if irritation or itching occurs, contact your doctor.

Eyes Contact:

In case of contact with the eyes may cause irritation.

Component	Species	Result
Ethyl alcohol	Rabbit	Skin Irritant
CHLORHEXIDINE DIGLUCONATE	Rabbit	Corrosive

Skin and Inhalation Sensitisation:

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No skin sensitisation .

Germ Cell Mutagenicity: (in vitro-in vivo)

No data available.

Teratogenicity:

No data available.

Carcinogenicity:

It does not contain any material can cause cancer.

Reproductive toxicity-Fertility-Development

Reproductive toxicity Not classified based on available information.

Components:

Ethyl Alcohol: Effects on fertility :

Test Type: Two-generation reproduction toxicity study

Species: Mouse

Application Route: Ingestion

Method: OECD Test Guideline 416

Result: negative

Isopropyl Alcohol: Effects on fertility :

Test Type: Two-generation reproduction toxicity study

Species: Rat

Application

Route: Ingestion

Result: negative

Effects on foetal development :

Test Type: Embryo-foetal development

Species: Rat

Application Route: Ingestion

Result: negative

CHLORHEXIDINE DIGLUCONATE:

Species: Rat

NOAEL: 30 mg/kg/day

Application Route: Ingestion

STOT - repeated exposure

Not classified based on available information.

Repeated dose toxicity

Components:

Ethyl Alcohol:

Species: Rat

NOAEL: 2,400 mg/kg

Application Route: Ingestion

Exposure time: 2 y

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Isopropyl Alcohol:

Species: Rat
NOAEL: 5000 ppm
Application Route: inhalation (vapour)
Exposure time: 104 w
Method: OECD Test Guideline 413

CHLORHEXIDINE DIGLUCONATE:

Species: Rat
NOAEL: 71 mg/kg/day
Application Route: Ingestion
Exposure time: 2 years

12 - ECOLOGICAL INFORMATION**12.1 Toxicity**

INCI	CAS NO	EINECS	LC 50 Fish	EC 50 Daphnia magna	EC 50 Algae
Ethyl Alcohol	64-17-5	200-578-6	14200 mg/l (96 h) (Pimephales promelas)	5012 mg/l (48h)	275 mg/l (72h) (Fresh water algae)
Isopropyl Alcohol	67-63-0	200-661-7	9640 mg/l (96 h) (Pimephales promelas)	>10000 mg/l (48 h)	No data available
Chlorhexidine digluconate	18472-51-0	242-354-0	2,08 mg/l	0,087 mg/l	0,081 mg/l

12.2. Persistence and degradability

INCI	CAS NO	EINECS	
Ethyl Alcohol	64-17-5	200-578-6	Readily biodegradable. Biodegradation: 84 % Exposure time: 20 d
Isopropyl Alcohol	67-63-0	200-661-7	Rapidly degradable.
Chlorhexidine digluconate	18472-51-0	242-354-0	Not readily biodegradable.

12.3. Bioaccumulative potential

Ethyl Alcohol:
Partition coefficient: octanol/water : log Pow: -0.35

Isopropyl Alcohol:
Partition coefficient: octanol/water : log Pow: 0.05

Chlorhexidine CAS 55-56-1

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Partition coefficient: noctanol/water : log Pow: 1,58

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

13 - DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

The recommended disposal technology at any approved facility. The disposal should always be in compliance with national, federal, state and local regulations.
The product should not be discharged to the environment.

14 - TRANSPORT INFORMATION**ADR**

14.1	UN number:	UN 1987
14.2	UN proper shipping name:	ALCOHOLS, N.O.S.(ETHANOL, PROPANOL-2-OL),3,II (D/E)
14.3	Transport hazard Class(es):	3
14.4	Packing group:	II
	Classification code	F1
	Hazard identification No.	33
	Special provisions	274,601,640D
	Tunnel restriction code	(D/E)

IMDG

14.1	UN number:	UN 1987
14.2	UN proper shipping name:	ALCOHOLS, N.O.S.(ETHANOL, PROPANOL-2-OL),3,II
14.3	Transport hazard class(es):	3
14.4	Packing group:	II
	Label(s):	3
	EmS No.:	F-E, S-D
	Marine Pollutant:	No

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IATA		
14.1	UN number:	UN 1987
14.2	UN proper shipping name:	ALCOHOLS, N.O.S.(ETHANOL, PROPANOL-2-OL),3,II
14.3	Transport hazard Class(es):	3
14.4	Packing group:	II
	Packaging (cargo)	364
	Packing instruction	Y341
	Ltd. Qty Max	1L
	Passanger Air Max.	5L
	Label	Flammable liquids

14.5. Environmental hazards:
Not Applicable

14.6. Special precautions for user:
No data available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:
No data available.

15 - REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National and International Regulations

- Ministry of Environment and Forestry of the Republic of Turkey, dated December 26, 2008, No. 27092 the classification of the hazardous substances and mixtures, Packaging and Labeling Regulation
- EC regulation No. 1272/2008 and its amendments.
- Ministry of environment and forestry of Turkey, dated December 13, 2014, 29204, Classification, Packaging and Labelling Regulation of hazardous substances and mixtures
- 11 Aralık 2013 dated, 28848 numbered, the classification of the hazardous substances and mixtures, Packaging and Labeling Regulation
- Regulation of health and safety measures for those work with chemical substances.
- Regulation On The Use Of Workplace Personal Protective Enhancements.
- Numbered 6331, Occupational Health and Safety Act.
- Hazardous Waste Control Regulation

15.2 Other Information
Not available.

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16- OTHER INFORMATION**Information Resources:**

This MSDS (SDS) is organized with the information that supplied by the manufacturer.

H225	Highly flammable liquid and vapour Cat2
H314	Causes severe skin burns and eye damage Cat 1A/1B/1C
H315	Causes skin irritation Cat 2
H317	May cause an allergic skin reaction Cat 1
H318	Causes serious eye Damage Cat 1
H319	Causes serious eye irritation Cat2
H335	May cause respiratory irritation Cat 3
H336	May cause drowsiness or dizziness Cat3
H410	Very toxic to aquatic life with long lasting effects Cat1
P210	Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P242	Use only non-sparking tools.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use dry chemicals, sand or alcohol resistant foam for extinction.
P403 + P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to in accordance with local/regional/national/international regulation (to be specified).

Revision-related description:

Current T.C regulations.

Revision Date: ---

The Renewed Revision: -

Turkish Editor: Nihal Şahin İpekoğlu

TSE Certified Product Safety Manager

Certificate No.: GBF-A-0-2959

Preparation Date: 11/03/2020

Ref: EZCDRMHCG

nihal@nsicosmetics.com

All information has been prepared taking into account existing information. The user must use existing information in addition to the other information. In the light of the information available in the user's own

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personal use and disposal requirements, and must ensure the appropriateness of environmental protection conditions.