

## MATERIAL SAFETY DATA SHEET

### CLEEN CARE+Q HAND AND SURFACE DISINFECTANT

*The SDS has been prepared according to EU REGULATION (EU) 2015/830 dated 29.05.2015  
Document Preparation Date: 05.05.2020*

#### 1-) PRODUCT AND PRODUCER IDENTIFICATION

##### 1.1 PRODUCT IDENTIFICATION

**Product Name:** *CLEEN CARE+Q HAND AND SURFACE DISINFECTANT*

##### 1.2 PRODUCT AREAS OF USAGE AND INADVISABLE USAGE AREAS

**Usage Areas:** *The product is used for hand, skin and surface disinfection. Biocidal Product*

**Inadvisable Usage Areas:** *Only use in the areas recommended above. Do not use for food cleansing.*

##### 1.3 PRODUCER INFORMATIONS

**Producer:** *DAĞLI TRADING LTD.*

**Prepared by:** *Merve ALIŞAN*

##### 1.4 EMERGENCY SITUATION LINE

**International Poison Consultation Center (UZEM) :** *114*

**Emergency Health Service:** *112*

#### 2-) HARMFULNESS SPECIFICATION

##### 2.1 PRODUCT CLASSIFICATION

**Classification (28848 T.C.)**

##### Physical and Chemical Hazards

**Flammable Liquid, Category 2 - H225:** *Highly flammable liquid and vapour.*

##### Human Health

*Not classified.*

##### Environment

*Not classified.*

##### 2.2 LABEL FACTOR

**Labelling (28848 T.C.)**

## MATERIAL SAFETY DATA SHEET

### CLEEN CARE+Q HAND AND SURFACE DISINFECTANT

*The SDS has been prepared according to EU REGULATION (EU) 2015/830 dated 29.05.2015*



#### **Warning Instructions: Danger**

#### **Harmfulness Significations:**

**H225** - Highly flammable liquid and vapour.

#### **Precautions Significations:**

#### **Prevention**

**P102** - Keep out of reach of children.

**P103** - Read label before use.

**P210** - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

**P233** - Keep away from any possible contact with water, because of violent reaction and possible flash fire.

**P240** - Ground/bond container and receiving equipment.

**P241** - Use explosion-proof electrical/ventilating/lighting equipment.

**P242** - Use only non-sparking tools.

**P243** - Take precautionary measures against static discharge.

**P280** - Wear protective gloves/protective clothing/eye protection/face protection.

#### **Response**

**P303 + P361 + P353** - DERİ (veya saç) İLE TEMAS HALİNDE İSE: Kirlenmiş tüm giysilerinizi hemen kaldırın/çıkartın. Cildinizi su ile durulayın.

**P370 + P378** - Yangın durumunda söndürme için; su spreyi, alkole dayanıklı köpük, kuru kimyasal veya karbondioksit kullanın.

#### **Storage**

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

#### **Disposal**

**P501** - Dispose of the contents / container according to national legislation.

## MATERIAL SAFETY DATA SHEET

### CLEEN CARE+Q HAND AND SURFACE DISINFECTANT

The SDS has been prepared according to EU REGULATION (EU) 2015/830 dated 29.05.2015  
**2.3 OTHER HARMFULNESS**

The product doesn't characterize as PBT and vPvT.

### 3-) INGREDIENTS OF THE PRODUCT

INCI Name	CAS Number	EINECS/ELICS Number	Function	Classification (According to SEA)	Concentration (%)*
Aqua / Water	7732-18-5	231-791-2	Solvent	Not Classified	Up to 100
Ethanol	64-17-5	200-578-6	Active Ingredient / Antibacterial Agent	Flammable Liquid 2; H225	70 v/v
Quaternary ammonium compounds, benzyl-C12-14 alkyldimethyl, chlorides	68424-85-1	270-325-2	Active Ingredient / Antibacterial Agent	Acute Tok. 4 (Oral); H302 Skin Corr. 1B; H314 Eye Damage 1; H318 Aquatic Aqute 1;H400 Aquatic Chronic 1;H410	0,10 v/v
Hydrogen Peroxide	7722-84-1	231-765-0	Active Ingredient / Antibacterial Agent	Oxidizing Liquid 2; H272 Acute Tok. 4 (Oral); H302 Acute Tok. 4 (Inhalation); H332 Skin Corr. 1B; H314 Eye Damage 1; H318 STOT Sing.3; H335	0,125 v/v
Glycerin	56-81-5	200-289-5	Humectant	Not Classified	1,0

The datas has been specified according to current E.U. and T.C. regulations.

### 4-) FIRST AID PRECAUTIONS

#### 4.1 EXPLANATIONS OF FIRST AID PRECAUTIONS

##### General Informations:

Apply general first aid measures, Keep the sufferer rest, warm and have fresh air. If fainted, do not try to have them eat or drink anything.

**In case of inhalation:** It does not cause any discomfort. Get medical attention if symptoms occur.

**In case of swallow:** Wash mouth with plenty of water. Get medical attention if symptoms occur.

**In case of skin contact:** Wash with plenty of water. In the case of skin irritation or allergic reactions see a physician.

## MATERIAL SAFETY DATA SHEET

### CLEEN CARE+Q HAND AND SURFACE DISINFECTANT

*The SDS has been prepared according to EU REGULATION (EU) 2015/830 dated 29.05.2015*  
**In case of eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if applicable, and continue flushing. If symptoms persist, call a physician.

#### 4.2 QUICK AND DELAYED IMPORTANT SYMPTOMS AND EFFECTS

There is not known.

#### 4.3 FIRST SIGNS FOR MEDICAL INTERVENTION AND SPECIAL TREATMENT REQUIREMENT

There is not known.

### 5-) FIRE FIGHTING PRECAUTION

#### 5.1 FIRE EXTINGUISHERS

Use extinguishing measures suitable for local conditions and the surrounding environment.

**Suitable Fire Extinguishers:** Carbon dioxide (CO<sub>2</sub>). Water spray. Dry extinguishing powder. Alcohol resistant foam.

**Unsuitable Fire Extinguishers:** No suitable information is available

#### 5.2 ESPECIAL DAMAGES

No suitable information is available

#### 5.3 ADVICE FOR FIRE EXTINGUISHERS

**Especially methods for fire fighting:**

Do not allow fire fighting water to enter drains or watercourses. Intervene by taking normal measures from a reasonable distance to the fire.

**Protector Equipment:**

In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

### 6-) PRECAUTIONS AGAINST TO DIFFUSE AFTER ACCIDENT

#### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

**Personal Precautions :** If it is poured on the floor, the floor becomes slippery. Wash the floor with water. Avoid contact with the eyes and skin. Provide enough. Under personal protective equipment when needed. In more than one product distribution, the responsible evaluate the

## MATERIAL SAFETY DATA SHEET

### CLEEN CARE+Q HAND AND SURFACE DISINFECTANT

*The SDS has been prepared according to EU REGULATION (EU) 2015/830 dated 29.05.2015 product information reports. Respiratory protection is for closed and / or poorly ventilated, should be used until completed under danger.*

#### 6.2 ENVIROMENTAL PRECAUTIONS

*Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. dilute with plenty of water.*

#### 6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

*Methods for Cointanment: If it is safe, avoid further leakage or spillage.*

*Methods for Cleaning Up: Absorb spilled material and collect it somewhere.*

### 7. HANDLING AND STORAGE

#### 7.1 PRECAUTIONS FOR SAFELY HANDLING

*Handle in accordance with good industrial hygiene and safety practice. Avoid contact eyes. Do not eat, drink or smoke when using this product.*

#### 7.2 CONDITIONS FOR SAFELY STORAGE

*Keep away from children. Close the lid tightly after each use. To prevent spoilage, store the product in a cool, dry place away from direct sunlight. Store locked up. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.*

### 8-) EXPOSURE CONTROLS AND PERSONAL PROTECTIONS

***Benzalkonium chloride (Quaternary ammonium compounds, benzyl-C12-14alkyldimethyl, chlorides )***

*ECHA DNEL: General population via dermal systemic long-term*

*Quaternary ammonium compounds, benzyl-c12-14 (even numbered)-alkyldimethyl, chlorides (CAS Not assigned) 3.4 mg/kg/day*

*ECHA DNEL: General population via inhalation systemic long-term*

*Quaternary ammonium compounds, benzyl-c12-14 (even numbered)-alkyldimethyl, chlorides (CAS Not assigned) 1.64 mg/m<sup>3</sup>*

*ECHA DNEL: General population via oral systemic long-term*

## MATERIAL SAFETY DATA SHEET

### CLEEN CARE+Q HAND AND SURFACE DISINFECTANT

*The SDS has been prepared according to EU REGULATION (EU) 2015/830 dated 29.05.2015*  
*Quaternary ammonium compounds, benzyl-c12-14 (even numbered)-alkyldimethyl, chlorides (CAS Not assigned) 3.4 mg/kg/day*  
*ECHA DNEL: Workers via dermal systemic long-term*  
*Quaternary ammonium compounds, benzyl-c12-14 (even numbered)-alkyldimethyl, chlorides (CAS Not assigned) 5.7 mg/kg/day*  
*ECHA DNEL: Workers via inhalation systemic long-term*  
*Quaternary ammonium compounds, benzyl-c12-14 (even numbered)-alkyldimethyl, chlorides (CAS Not assigned) 3.96 mg/m<sup>3</sup>*  
*PNECs Aquatic: ECHA*  
*Quaternary ammonium compounds, benzyl-c12-14 (even numbered)-alkyldimethyl, chlorides (CAS Not assigned)*  
*AQUA/FRESHWATER 0.0009 mg/l*  
*AQUA/INTERMIT. RELEASES 0.00016 mg/l*  
*AQUA/MARINE WATER 0.00096 mg/l*  
*SEDIMENT/FRESHWATER 12.27 mg/kg*  
*SEDIMENT/MARINE WATER 13.09 mg/kg*  
*STP 0.4 mg/l*  
*PNECs Terrestrial: ECHA*  
*Quaternary ammonium compounds, benzyl-c12-14 (even numbered)-alkyldimethyl, chlorides (CAS Not assigned) Soil 7 mg/kg*

#### **Ethanol ( CAS No: 64-17-5)**

<b>Endpoint</b>	<b>Threshold level</b>	<b>Protection goal, route of exposure</b>	<b>Used in</b>	<b>Exposure time</b>
DNEL	343 mg/kg	human, dermal	worker (industry)	chronic -systemic effects
DNEL	950 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic -systemic effects

#### **Hydrogen Peroxide ( Cas No: 7722-84-1 )**

TLV/TWA : 1.4 mg/m<sup>3</sup> (1 ppm)

STEL : 2.8 mg/m<sup>3</sup> (2 ppm)

PEL : 1.4 mg/m<sup>3</sup> (1 ppm)

#### **Control Parameters**

Showers - Eyewash showers - Ventilator system

**MATERIAL SAFETY DATA SHEET****CLEEN CARE+Q HAND AND SURFACE DISINFECTANT**

*The SDS has been prepared according to EU REGULATION (EU) 2015/830 dated 29.05.2015*  
**Respiratory Protection:** No personal protective respirator is required. If irritation occurs, NIOSH/MSHA approved respiratory protection should be worn. Positive compressed air respirators may be required for high pressure air pollutions. Respiratory protection should be provided in accordance with local regulations.

**Eye/Face Protection:** Wear safety glasses with side or flat shield.

**Skin and Body Protection:** Wear protective clothing, such as rubber or neoprene gloves and a long-sleeved shirt.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Avoid contact with eyes. Do not eat or drink while using the product.

**9-) PHYSICAL AND CHEMICAL PROPERTIES****9.1 INFORMATIONS ABOUT GENERAL FUNDAMENTAL PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	<b>Transparent Liquid</b>
<b>Colour</b>	<b>Colorless</b>
<b>Odour</b>	<b>Characteristic</b>
<b>Odour Threshold</b>	<b>No data available</b>
<b>pH value @20°</b>	<b>6,5 – 7,5</b>
<b>Melting point</b>	<b>No data available</b>
<b>Boiling point</b>	<b>No data available</b>
<b>Flashing point</b>	<b>&lt; 60°C</b>
<b>Evaporation rate (butyl acetate=1)</b>	<b>No data available</b>
<b>Flammability</b>	<b>Flammable</b>
<b>Max/Min expolsing limits</b>	<b>No data available</b>
<b>Vapor Pressure (mmHg)</b>	<b>No data available</b>
<b>Vapor Density (air=1)</b>	<b>No data available</b>
<b>Solubility</b>	<b>Soluble</b>
<b>Distribution coefficient</b>	<b>No data available</b>
<b>Inflammation temperature</b>	<b>No data available</b>
<b>Degredation temperature</b>	<b>No data available</b>
<b>Viscosity (@20°C) (SP4, 100 RPM)</b>	<b>N/A</b>

**10-) STABILITY AND REACTION**

**10.1 REACTION:** Stable under recommended storage conditions.

**MATERIAL SAFETY DATA SHEET****CLEEN CARE+Q HAND AND SURFACE DISINFECTANT**

The SDS has been prepared according to EU REGULATION (EU) 2015/830 dated 29.05.2015

**10.2 CHEMICAL STABILITY:** Stable under recommended storage conditions.

**10.3 POSSIBILITY OF HAZARDOUS REACTIONS:** None under normal processing.

**10.4 SITUATIONS TO AVOID:** None known based on information supplied.

**10.5 INCOMPATIBLE MATERIALS:** None known based on information supplied.

**11-) TOXICOLOGICAL INFORMATION****11.1 INFORMATION ON TOXICOLOGICAL EFFECTS**

There is no exposure data pertaining to the product. This section reflects exposure data pertaining to individual ingredients.

**ACUTE TOXICITY**

<b>Chemical Name</b>	<b>LD50 Oral</b>	<b>LD50 Dermal</b>	<b>LD50 Inhalation</b>
Ethanol	10470 mg/kg (rat)	>15800 mg/kg (rabbit)	124.7 mg/L/4h (rat)
Quaternary ammonium compounds, benzyl-C12-14 alkyldimethyl, chlorides	397.5 mg/kg (rat)	3412 mg/kg (rabbit)	No data available.
Hydrogen Peroxide	1193 - 1270 mg/kg (rat)	2000 mg/kg (rabbit)	0.17 mg/L/4h (rat)

**Inhalation:** No injuries are known or expected when used as advised.

**Eye Contact:** Irritating to eyes. May cause redness, itching, and pain

**Skin Contact:** Irritating to the skin. It can cause rash and itching.

**Ingestion:** Ingestion may cause irritation to mucous membranes.

**Information on toxicological effects:**

**Symptoms:** Redness of the skin. May cause redness and tearing of the eyes.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure:**

**Sensitization:** No information available.



## MATERIAL SAFETY DATA SHEET

### CLEEN CARE+Q HAND AND SURFACE DISINFECTANT

*The SDS has been prepared according to EU REGULATION (EU) 2015/830 dated 29.05.2015*  
**Mutagenic Effects:** No information available.

**Carcinogenicity:** No information available.

**Reproductive Toxicity:** No information available.

**STOT – single exposure:** No information available

**STOT – repeated exposure:** No information available

**Chronic Toxicity:** The carcinogenic potential is unknown.

**Target Organ Effects:** No information available.

**Aspiration Hazard:** No information available.

### 12-) ECOTOXICOLOGY INFORMATIONS

#### 12.1 ECOTOXICITY

Do not allow the product into water streams, lakes.

**Aquatic toxicity (acute):**

**Ethanol ( CAS No: 64-17-5):**

Algae (*Chlorella vulgaris*): EC50 (3d): 275 mg/l

Rainbow trout (*Salmo gairdneri*): LC50 (24h): 11200 mg/l

Daphnia magna: EC50 (48h): 12340 mg/l

**Hydrogen Peroxide ( Cas No: 7722-84-1 )**

- Fishes, *Pimephales promelas*, LC50, 96 h, 16.4 mg/l

- Fishes, *Pimephales promelas*, NOEC, 96 h, 4.3 mg/l

- Crustaceans, *Daphnia pulex*, EC50, 48 h, 2.4 mg/l

Remarks: fresh water, semi-static test

- Crustaceans, *Daphnia pulex*, NOEC, 48 h, 1 mg/l

Remarks: fresh water, semi-static test

Chronic toxicity

- Algae, *Skeletonema costatum*, EC50, growth rate, 72 h, 2.6 mg/l

- Algae, *Skeletonema costatum*, NOEC, 72 h, 0.63 mg/l

- Algae, *Chlorella vulgaris*, EC50, Growth rate, 72 h, 4.3 mg/l

## MATERIAL SAFETY DATA SHEET

### CLEEN CARE+Q HAND AND SURFACE DISINFECTANT

*The SDS has been prepared according to EU REGULATION (EU) 2015/830 dated 29.05.2015  
- Algae, Chlorella vulgaris, NOEC, 72 h, 0.1 mg/l*

**Quaternary ammonium compounds, benzyl-c12-14 (even numbered)-alkyldimethyl, chlorides**

*Aquatic*

*Algae NOEC Algae 0.009 mg/l*

*Acute*

*Algae IC50 Algae 0.03 mg/l*

*Crustacea EC50 Daphnia 0.016 mg/l*

*Fish LC50 Fish 0.515 mg/l*

#### **12.2 PERSISTENCY AND BIODEGRADABILITY**

*No data available.*

#### **12.3 BIOACCUMULATIVE POTENTIAL**

*No data available.*

#### **12.4 MOBILITY IN SOIL**

*No data available.*

#### **12.5 RESULT of ASSESSMENT of PBT and PvT**

*No data available.*

#### **12.6 OTHER ADVERSE EFFECTS**

*No data available.*

### **13-) DISPOSAL CONSIDERATIONS**

*Disposal should be in accordance with local, state/provincial and Federal regulations. Don't let to distribution into spring, land and sewage.*

### **14-) TRANSPORTATION INFORMATION**

#### **Land Transport (DOT)**

**UN number :** 1170

**Description of the goods :** Ethanol solutions

**Class :** 3

**Packing group :** III

## MATERIAL SAFETY DATA SHEET

### CLEEN CARE+Q HAND AND SURFACE DISINFECTANT

*The SDS has been prepared according to EU REGULATION (EU) 2015/830 dated 29.05.2015*

#### **IATA**

**UN number : 1170**

**Description of the goods : Ethanol solutions**

**Class : 3**

**Packing group : III**

#### **IMDG/IMO**

**UN number : 1170**

**Description of the goods : Ethanol solutions**

**Class : 3**

**Packing group : III**

**EmS No: F-E, S-D**

#### **ADR**

**UN number : 1170**

**Description of the goods : Ethanol solutions**

**Class : 3**

**Packing group : III**

**Classification code: F1**

## **15-) REGULATORY INFORMATIONS**

### **15.1 SAFETY, HEALTHY AND ENVIRONMENT REGULATION FOR MATERIALS AND MIXTURES**

#### **NATIONAL REGULATION**

- *Turkey Republic Ministry of Environment and Urban Planning, the regulation about labelling and packing of materials and mixtures, 11 December 2013 dated, 28848 numbered.*
- *Ministry of Labour and Social Security, the regulation about safety measure and healthy on chemical materials, 12 August 2013 dated, 28733 numbered.*
- *Ministry of Labour and Social Security, the regulation about using personal protection materials at working place, 02 July 2013 dated, 28695 numbered.*
- *Ministry of Labour and Social Security, occupational health and safety law, 30 June 2012 dated, 6331 numbered.*

## MATERIAL SAFETY DATA SHEET

### CLEEN CARE+Q HAND AND SURFACE DISINFECTANT

*The SDS has been prepared according to EU REGULATION (EU) 2015/830 dated 29.05.2015*

#### **16-) OTHER INFORMATIONS**

##### **16.1 THE ABRIDGMENTS IN THE MSDS**

**ADR:** Europe agreement about dangerous products' transportation on the road

**ADN:** Europe agreement about dangerous products' transportation by sea between continents

**RID:** Europe agreement about dangerous products' transportation by railway

**IATA:** International airway transportation association

**CAS:** Chemical hypothesis service

**PBT:** Permanent, bioaccumulative and toxic material

**vPvT:** So permanent, so bioaccumulative

**ATE:** Estimated acute toxicity

**SEA:** Classification, labelling, packing regulation

**DNEL:** Derivated non effect level

**PNEC:** Predicted non effect concentration

**STOT:** Spesific target organ toxicity

##### **16.2 ARRANGER**

**The MSDS has been arranged by:** Merve ALIŞAN

**Exprt no:** GBF-A-0-2773