

## MATERIAL SAFETY DATA SHEET

### CLEEN DEFANS ANTIBACTERIAL LIQUID HAND SOAP SENSITIVE

*The SDS has been prepared according to EU REGULATION (EU) 2015/830 dated 29.05.2015  
Document Preparation Date: 22.04.2020*

#### 1-) PRODUCT AND PRODUCER IDENTIFICATION

##### 1.1 PRODUCT IDENTIFICATION

**Product Name:** *CLEEN DEFANS ANTIBACTERIAL LIQUID HAND SOAP SENSITIVE*

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

**Usage Areas:** *Biocidal Product Type 1. This product is used for hand cleaning. Wet your hands with water. Lather your hands with the product and rinse thoroughly with water.*

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

*Not Classified.*

##### Human Health

**Skin irritation, Category 2 - H315:** *Causes skin irritation.*

**Skin sensitisation, Category - H317:** *May cause an allergic skin reaction.*

**Eye irritation, Category 2 - H319:** *Causes serious eye irritation.*

##### Environment

**Chronic aquatic toxicity, Category 2 - H411:** *Toxic to aquatic life with long lasting effects.*

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#### 2.2 LABEL FACTOR

*Labelling (28848 T.C.)*



**Warning Instructions: Attention**

**Harmfulness Significations:**

**H315** - Causes skin irritation.

**H317** - May cause an allergic skin reaction.

**H319** - Causes serious eye irritation.

**H411** - Toxic to aquatic life with long lasting effects.

**Precautions Significations:**

**Prevention**

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

**P103** - Read label before use.

**P261** - Avoid breathing dust/fume/gas/mist/vapors/spray.

**P264** - Wash with soap thoroughly after handling.

**P272** - Contaminated work clothing should not be allowed out of the workplace.

**P273** - Avoid release to the environment.

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

**Response**

**P302+ P352** - IF ON SKIN: Wash with plenty of soap and water.

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

**P332+P313** - If skin irritation or rash occurs: Get medical advice/attention.

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

**P363** - Wash contaminated clothing before reuse.

**P391** - Collect spillage.

#### Disposal

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

#### 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
Lauryl Glucoside	110615-47-9	-	Surfactant	Skin Corr.2;H315 Eye Damage 1;H318	%≥1 - ≤%5
Amines, C12-18 (even numbered)-alkyldimethyl, N-oxides	68955-55-5	931-341-1	Surfactant	Skin Corr.2;H315 Eye Damage 1;H318 Aquatic Acute 1; H400 Aquatic Chronic 2; H411	%≥1 - ≤%5
Quaternary ammonium compounds, benzyl-C12-14 alkyldimethyl, chlorides	68424-85-1	270-325-2	Active Ingredient / Antibacterial Agent	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	%0,13 (w/w)
Glycerin	56-81-5	200-289-5	Humectant	Not Classified	%≥1 - ≤%5
PEG-120 Methyl Glucose Dioleate	86893-19-8	617-932-4	Viscosity Controlling Agent	Skin Sens.1;H317	%≥1 - ≤%5
Lauramine Oxide	85408-49-7	-	Surfactant	Skin Corr.2;H315 Eye Damage 1;H318 Aquatic Acute 1; H400 Aquatic Chronic 2; H411	%≥1 - ≤%5

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Methylchloroisothiazolinone and Methylisothiazolinone	55965-84-9	611-341-5	Preservative	Skin Corr. 1;H314 Skin Sens.1;H317 Aquatic Chronic 2; H411	%<1
Tetrasodium EDTA	64-02-8	200-573-9	Chelating Agent	Acute Tox.4(Inhalation);H332 Skin Corr.2;H315 Eye Damage 1;H318 STOT RE.2;H373	%<1
Citric Acid	5949-29-1	201-069-1	Buffering	Eye Damage 2;H319	%<1
Sodium Chloride	7647-14-5	231-598-3	Viscosity Controlling Agent	Not Classified	%≥1 - ≤%5
Parfum	N/A	N/A	Perfuming	Skin Corr. 2;H315 Skin Sens.1; H317 Eye Damage 2;H319 Damage fertility 2;H361f Aquatic Acute 2; H411	%<1

\* The exact percentage of (Concentration) of composition has been withheld as a trade secret.

**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.

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**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. 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:**

*In the fire menu, cool the tanks with water spray. Do not allow fire fighting water to enter drains or watercourses. It is normally applied to the fire from a reasonable distance.*

**Protector Equipment:**

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

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

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#### **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 product information reports. Respiratory protection is for closed and / or poorly ventilated, should be used until completed under danger.*

#### **6.2 ENVIRONMENTAL PRECAUTIONS**

*This product is toxic to fish, aquatic invertebrates, clams and shrimps. 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 Containment:** *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 and skin. 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. Keep in properly labeled containers. 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*

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*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: 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*  
*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*

#### **Control Parameters**

*Showers - Eyewash showers - Ventilator system*

**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.*

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**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>Characteristic</b>
<b>Odour</b>	<b>Characteristic</b>
<b>Odour Threshold</b>	<b>No data available</b>
<b>pH value @20°</b>	<b>5,0 - 6,0</b>
<b>Melting point</b>	<b>No data available</b>
<b>Boiling point</b>	<b>No data available</b>
<b>Flashing point</b>	<b>No data available</b>
<b>Evaporation rate (butyl acetate=1)</b>	<b>No data available</b>
<b>Flammability</b>	<b>No data available</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>Degradation temperature</b>	<b>No data available</b>
<b>Viscosity (@20°C) (SP4, 100 RPM)</b>	<b>2500 - 3000</b>

**10-) STABILITY AND REACTION**

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

**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.



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**11-) TOXICOLOGICAL INFORMATIONS****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>
Quaternary ammonium compounds, benzyl-C12-14-alkyldimethyl, chlorides	397,5 mg/kg (rat)	3412 mg/kg (rabbit)	No information

**Inhalation:** No injures 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.

**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

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*The SDS has been prepared according to EU REGULATION (EU) 2015/830 dated 29.05.2015*  
**Chronic Toxicity:** *The carcinogenic potential is unknown.*

**Target Organ Effects:** *Eyes and skin*

**Aspiration Hazard:** *No information available.*

### 12-) ECOTOXICOLOGY INFORMATIONS

#### 12.1 ECOTOXICITY

*Long-lasting, very toxic effect in the aquatic environment. This product is toxic to fish, aquatic invertebrates, oysters and shrimp. Do not allow the product into water streams, lakes.*

**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 ASSESMENT of PBT and PvT

*No data available.*

#### 12.6 OTHER ADVERSE EFFECTS

*No data available.*

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#### 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. The product is toxic to aquatic organisms.*

#### 14-) TAŞIMA BİLGİLERİ

##### 14.1. UN Number

*ADR / RID, IMDG, IATA: UN 3082*

##### 14.2. Proper UN Shipping Name

*ADR / RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S*

*IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S*

*IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S*

##### 14.3. Transport Hazard Classes

*ADR / RID: Class: 9 Label: 9 Classification Code: M6*

*IMDG: Class: 9 Label: 9 Classification Code: M6*

*IATA: Class: 9 Label: 9 Classification Code: M6*

##### 14.4. Packing Group

*ADR / RID, IMDG, IATA: III*

#### 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.*

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- *Ministry of Labour and Social Security, occupational health and safety law, 30 June 2012 dated, 6331 numbered.*

#### 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

**BHOT:** Spesific target organ toxicity

##### 16.2 ARRANGER

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

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