

## MATERIAL SAFETY DATA SHEET

### DAX LIQUID MATIC 2in1

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

Document Preparation Date: 14.11.2019

#### 1-) PRODUCT AND PRODUCER IDENTIFICATION

##### 1.1 PRODUCT IDENTIFICATION

Product Name: DAX LIQUID MATIC 2in1

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

The product is suitable for laundry cleaning. Avoid from direct contact with eyes and mouth.

##### 1.3 PRODUCER INFORMATIONS

Producer: DAĞLI TRADING LTD.

Prepared by: Nurdan KAYA (Chemical Engineer)

[nurdanay01@gmail.com](mailto:nurdanay01@gmail.com) - 5464011810

##### 1.4 EMERGENCY SITUATION LINE

International Poison Consultation Center (UZEM) : 114

Emergency Health Service : 112

#### 2-) HARMFULNESS SPESIFICATION

##### 2.1 PRODUCT CLASSIFICATION

Classification (28848 T.C.)

Physical and Chemical Hazards Not Classified

##### Human Health

Acute Tox. 3 H301  
Acute Tox. 3 H331  
Skin Irritation 2 H315  
Skin Corrosive 1B H314  
Eye Damage 1 H318

##### Environment

Aquatic Chronic 1 H400  
Aquatic Chronic 1 H410  
Aquatic Chronic 3 H412



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#### 2.2 LABEL FACTOR

*Labelling (28848 T.C.)*



**Warning Instruction : Attention**

**Harmfulness Significations :**

<b>H315</b>	<i>Causes skin irritation</i>
<b>H317</b>	<i>Causes allergic reactions</i>
<b>H319</b>	<i>Causes serious eye damage</i>
<b>H410</b>	<i>Very toxic at aquatic environment for long time</i>

**Prevention Significations :**

<b>P264</b>	<i>Wash your hands after using</i>
<b>P273</b>	<i>Avoid to release to environment</i>
<b>P280</b>	<i>Use protector glove/ protector cloth/ eyesprotector/ face protector.</i>

**P302+P352** *In case of skin contact, wash with plenty of water*  
**P305+P351 +P338** *In case of eye contact, rinse cautiously with  
water for several minutes. Remove contact lenses, if present and easy to remove. Continue  
rinsing.*

**P337 + P313** *If the eye irritation is persist, apply to a doctor*

#### 2.3 OTHER HARMFULNESS

*The product doesn't characterize as PBT and vPvT*

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### 3. INGREDIENTS OF THE PRODUCT

INCI Name	CAS Number	EINECS/ELICS Numbers	Function	Classification (According to SEA)	Concentration (%)*
Aqua	7732-18-5	231-791-2	Solvent	Not Classified	*
Alcohols, C13-15, branched and linear, ethoxylated	157627-86-6	500-337-8	Surfactant	Aquatic Acute 1 H400 Aquatic Chronic 3 H412	%<1
Sodium Laureth Sulfate	3088-31-1 / 9004-82-4 / 68891-38-3 / 1335-72-4 / 68585-34-2 / 91648-56-5	221-416-0 / - / 500-234-8 / - / 500-223-8 / 293-918-8	Cleansing Emulsifying Surfactant	Skin Irritant 2 H315 Eye Damage 1 H318 Aquatic Chronic 3 H412	%≥1 - %<5
Alcohols, C12-15, ethoxylated	68131-39-5	500-195-7	Emulsifying Surfactant	Skin Irritant 2 H315 Eye Damage 1 H318 Aquatic Acute 1 H400	%5-15
Ethoxylated Polyethylenepolyamine	68130-99-4	680-333-1	multifunctional	Skin Irritant 2 H315 Eye Irritation 2 H319	%<1
Fatty acids, coco, potassium salts	61789-30-8	263-049-9	surfactant	Not Classified	%≥1 - %<5
2-Propen-1-aminium, N,N-Dimethyl-N-2-Propenyl-, chloride polymer with 2-propenamamide	26590-05-6	607-965-2	Cleaning	Aquatic Chronic 3 H412	%<1
1,3,4,6,7,8-hexahydro-4,6,6,7,8-hexamethylindeno[5,6-c]pyran, Hexyl Salicylate, 2-(4-tert-butylbenzyl)propionaldehyde, 2-phenylethanol, α-hexylcinnamaldehyde, 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8-tetramethyl-2-naphthyl)ethan-1-one, 2,6-dimethyloct-7-en-2-ol, Benzyl Salicylate, 3a,4,5,6,7,7a-hexahydro-4,7-methanoinden-6-yl acetate, 3-Cyclohexene-1Carboxaldehyde, 3 (Or 4)(4-Hydroxy-4Methylpentyl), Citronellol, Geraniol, p-menth-1-en-8-yl acetate, 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol, 2-tert-butylcyclohexyl acetate, Undec-10-enal, 2,4-dimethylcyclohex-3-ene-1-carbaldehyde, Phenethyl phenylacetate, (Z)-3-hexenyl salicylate, 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one, Eugenol, [1α(E),2β]-1-(2,6,6-trimethylcyclohex-3-en-1-yl)but-2-en-1-one, 3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate, Benzyl Cinnamate, 7-hydroxycitronellal, Tetrahydro-4-methyl-2-(2-methylprop-1-enyl)pyran, [R-(E)]-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-	1222-05-5 / 6259-76-3 / 80-54-6 / 60-12-8 / 101-86-0 / 54464-57-2 / 18479-58-8 / 118-58-1 / 5413-60-5 / 130066-44-3 / 106-22-9 / 106-24-1 / 80-26-2 / 28219-61-6 / 88-41-5 / 112-45-8 / 68039-49-6 / 102-20-5 / 65405-77-8 / 127-51-5 / 97-53-0 / 57378-68-4 / 17511-60-3 / 103-41-3 / 107-75-5 / 16409-43-1 / 127-42-4 / 106-21-8	214-946-9 / 228-408-6 / 201-289-8 / 200-456-2 / 202-983-3 / 259-174-3 / 242-362-4 / 204-262-9 / 226-501-6 / - / 203-375-0 / 203-377-1 / 201-265-7 / 248-908-8 / 201-828-7 / 203-973-1 / 268-264-1 / 203-013-1 / 265-745-8 / 204-846-3 / 202-589-1 / 275-156-8 / 241-514-7 / 203-109-3 / 203-518-7 / 240-457-5 / 204-842-1 / 203-374-5	Perfuming	Skin Irritant 2 H315 Eye Irritation 2 H319 Aquatic Chronic 2 H411 Skin Sens. 1 H317 Skin Sens. 1B H317 Aquatic Acute 1 H400 Acute Tox. 4 H302	%<1

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en-3-one, 3,7-dimethyloctan-1-ol					
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	611-341-5	Preservative	Acute Tox. 3 H301 Acute Tox. 3 H311 Skin Corr. 1B H314 Skin Sens. 1 H317 Acute Tox. 3 H331 Aquatic Acute 1 H400 Aquatic Chronic 1 H410	%<1
Styrene / Acrylates Copolymer (and) Coco-Glucoside	9010-92-8/141464-42-8	618-461-7/604-223-9	Opacifying	Skin Irritant 2 H315 Eye Irritation 2 H319	%<1
Citric Acid	77-92-9	201-069-1	Buffring Chealting	Eye Irritation 2 H319	%<1
Sodium Chloride	7647-14-5	231-598-3	Bulking	Not Classified	%≥1 - ≤%5

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

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

#### 4. FIRST AID PRECAUTIONS

##### 4.1 EXPLANATION OF FIRST AID PRECAUTIONS

###### **General Informations:**

*Apply general first aid, let rest, keep warm and provide fresh air. If the casualty is fainted, don't try to give anything to drink or eat.*

*In situation of resumption of sickness, apply to a doctor.*

***In case of inhalation:** Take patient to fresh air immediatelly.If breathing has stopped, apply artificial respiration.*

***In case of swallow:**Don't vomiting if swallowed. Drink plenty of water.Never give anything by mouth to unconsciouspatient.*

***In case of skin contact:** Take of all clothes and shoes which contaced, rinse with plenty of water during 15 minutes.*

***In case of eye contact:** Keep open the eyelids and rinse with running water 15 minutes.*

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#### 5. FIRE FIGHTING PRECAUTION

##### 5.1 FIRE EXTINGUISHERS

*Suitable Fire extinguishers: Dry chemical powder. Alcohol resistant foam. Carbon dioxide (CO<sub>2</sub>)*

*Unsuitable Fire extinguishers: No information available*

##### 5.2 ESPECIAL DAMAGES

*The product is no burnable and explosive.*

##### 5.3 ADVICES FOR FIRE EXTINGUISHERS

*Especial methods for fire fighting:*

*Use presured air mask in situation of fire. Cool the equipments which affected from fire.*

*Protector equipments:*

*In case of fire, use independent inhalation gizmo and protection cloth.*

#### 6. PRECAUTIONS AGAINST TO DIFFUSE AFTER ACCIDENT

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

*Avoid contact with eyes, skin, and clothing. Ensure adequate ventilation. Use personal protective equipment as required.*

##### 6.2 ENVIRONMENTAL PRECAUTIONS

*This product is toxic to fish, aquatic invertebrates, oysters, and shrimp. Do not allow product to enter storm drains, lakes, or streams.*

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

*Methods for Containment : Prevent further leakage or spillage if safe to do so. Remove absorbed material by stripping into closed containers.*

*Methods for Cleaning Up :*



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*Small amounts of liquid spill: absorb non-combustible absorbent material and shovel into a container for disposal. Large spills: control released substance, pump into suitable containers. Dispose of this product and packaging safely in accordance with applicable legislation.*

## 7.HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFELY HANDLING

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

### 7.2 CONDITIONS FOR SAFELY STORAGE

*Store away from children. Reclose cap tightly after each use. Store this product upright in a cool, dry area, away from direct sunlight and heat to avoid deterioration. Do not contaminate food or feed by storage of this product.*

## 8.EXPOSURE CONTROLS AND PERSONAL PROTECTIONS

### **Components with workplace control parameters**

Showers - Eyewash stations - Ventilation systems

**Respiratory protection** : *No personal respiratory protective equipment normally required.*

**Remarks** : *For prolonged or repeated contact use protective gloves.*

**Eye protection** : *Wear safety glasses with side shields (or goggles) or face shield.*

**Skin and hand protection** : *Wear rubber or neoprene gloves and protective clothing such as long-sleeved shirt.*

**Respiratory protection** : *If irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.*

**Hygiene measures** : *Handle in accordance with good industrial hygiene and safety practice. Wash hands after direct contact. Do not wear product-contaminated clothing for*



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*prolonged periods. Remove and wash contaminated clothing before re-use. Do not eat, drink, or smoke when using this product.*

**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 INFORMATIONS ABOUT GENERAL FUNDAMENTAL PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	<b>Opaque</b>
<b>Colour</b>	<b>Not determined</b>
<b>Odour</b>	<b>Characteristic</b>
<b>Odour Threshold</b>	<b>Not determined</b>
<b>pH value @20°</b>	<b>8,5 - 9</b>
<b>Melting point</b>	<b>Not determined</b>
<b>Boiling point</b>	<b>Not determined</b>
<b>Flashing point</b>	<b>Not flammable</b>
<b>Evaporation rate (butyl acetate=1)</b>	<b>Not determined</b>
<b>Flammability</b>	<b>Not determined</b>
<b>Max/Min expolsing limits</b>	<b>Not explosive</b>
<b>VaporPressure (mmHg)</b>	<b>Not determined</b>
<b>Vapor Density (air=1)</b>	<b>Not determined</b>
<b>Solubility</b>	<b>Soluble</b>
<b>Distribution coefficient</b>	<b>Not determined</b>
<b>Inflammation temperature</b>	<b>Not determined</b>
<b>Degradation temperature</b>	<b>Not determined</b>
<b>Viscosity (SP4, 100 RPM, @20°C)(cp)</b>	<b>400 - 600</b>

**10. STABILITY AND REACTION**

**10.1 REACTION:** *There is no any known hazardous reaction.*

**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.*



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**10.5 INCOMPATIBLE MATERIALS:** *There is no any material under normal use conditions.*

## 11. TOXICOLOGICAL INFORMATION

### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

**PRODUCT:**

***Inhalation:*** *Not irritant*

***Eye contact:*** *Corrosive. May cause severe damage to eyes.*

***Skin Contact:*** *May cause irritation to skin. Prolonged contact may cause burns to skin.*

***Ingestion:*** *Ingestion may cause gastrointestinal and respiratory tract, nausea, vomiting and diarrhea.*

***Acute oral toxicity:*** *Not information available*

***Acute dermal toxicity:*** *Not information available*

***Information on toxicological effects:***

***Symptoms :****May cause redness and tearing of the eyes. May cause burns to eyes. May cause redness or burns to skin. Inhalation may cause coughing.*

***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.*

***Chronic Toxicity*** *Carcinogenic potential is unknown.*

***Target Organ Effects*** *Respiratory system, eyes, skin, gastrointestinal tract (GI).*





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

#### **COMPONENTS:**

##### **Alcohols, C13-15, branched and linear, ethoxylated:**

*Acut toxicity oral LD50: >5000 mg/kg*

*Acut toxicity dermal LD50: >2000 mg/kg*

*Skin Contact: Not irritant on skin*

*Eye Contact: Risk of serious damage to eyes.*

*Inhalation: Not irritant*

*STOT - single exposure: Based on the available information there is no specific target organ toxicity to be expected after a single exposure.*

*STOT - repeated exposure : The information available on the product provides no indication of toxicity on target organs after repeated exposure.*

##### **Sodium Laureth Sulfate:**

*Acut toxicity oral LD50: >5000 mg/kg*

*Acut toxicity dermal LD50: >2000 mg/kg*

*Skin Contact: Irritant on skin*

*Eye Contact: Risk of serious damage to eyes.*

*Inhalation: Does not need to be labeled as harmful or toxic by inhalation*

*STOT - single exposure: Based on the available information there is no specific target organ toxicity to be expected after a single exposure.*

*STOT - repeated exposure : The information available on the product provides no indication of toxicity on target organs after repeated exposure.*

##### **Alcohols, C12-15, ethoxylated:**

*Acut toxicity oral LD50: 2000 mg/kg*

*Acut toxicity dermal LD50: >2000 mg/kg*

*Skin Contact: Not irritant on skin*

*Eye Contact: Risk of serious damage to eyes.*

*Inhalation: No information available*

*STOT - single exposure: Based on the available information there is no specific target organ toxicity to be expected after a single exposure.*

*STOT - repeated exposure : The information available on the product provides no indication of toxicity on target organs after repeated exposure.*

##### **Ethoxylated Polyethylenepolyamine:**

*Acut toxicity oral LD50: >2000 mg/kg*



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*Acut toxicity dermal LD50: >5000 mg/kg*

*Skin Contact: Non irritant*

*Eye Contact: Non irritant*

*Inhalation: Non irritant*

*STOT - single exposure: Based on the available information there is no specific target organ toxicity to be expected after a single exposure.*

*STOT - repeated exposure : The information available on the product provides no indication of toxicity on target organs after repeated exposure.*

**Fatty acids, coco, potassium salts:**

*Acut toxicity oral LD50: >10000 mg/kg*

*Acut toxicity dermal LD50: No information available*

*Skin Contact: No information available*

*Eye Contact: No information available*

*Inhalation: No information available*

*STOT - single exposure: Based on the available information there is no specific target organ toxicity to be expected after a single exposure.*

*STOT - repeated exposure : The information available on the product provides no indication of toxicity on target organs after repeated exposure.*

**2-Propen-1-aminium, N,N-Dimethyl-N-2-Propenyl-, chloride polymer with 2-propenamide:**

*Acut toxicity oral LD50: >5000 mg/kg*

*Acut toxicity dermal LD50: >5000 mg/kg*

*Skin Contact: Non irritant*

*Eye Contact: Non irritant*

*Inhalation: Non irritant*

*STOT - single exposure: Based on the available information there is no specific target organ toxicity to be expected after a single exposure.*

*STOT - repeated exposure : The information available on the product provides no indication of toxicity on target organs after repeated exposure.*

**reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):**

*Acut toxicity oral LD50: 69 mg/kg*

*Acut toxicity dermal LD50: 141 mg/kg*

*Skin Contact: Irritant*

*Eye Contact: Irritant*

*Inhalation: No information available*

*STOT - single exposure: Based on the available information there is no specific target organ toxicity to be expected after a single exposure.*



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*STOT - repeated exposure : The information available on the product provides no indication of toxicity on target organs after repeated exposure.*

**Citric Acid:**

*Acut toxicity oral LD50: 375 mg/kg*

*Acut toxicity dermal LD50: No information available*

*Skin Contact: No information available*

*Eye Contact: Causes irritation on eyes*

*Inhalation: Causes allergic reactions if inhaled for long time*

*STOT - single exposure: Based on the available information there is no specific target organ toxicity to be expected after a single exposure.*

*STOT - repeated exposure : The information available on the product provides no indication of toxicity on target organs after repeated exposure.*

## **12. ECOTOXICOLOGY INFORMATIONS**

### **12.1 ECOTOXICITY**

*Very toxic to aquatic life with long lasting effects. This product is toxic to fish, aquatic invertebrates, oysters, and shrimp. Do not allow product to enter storm drains, lakes, or streams.*

### **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 vPvT**

*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 for the organisms which live in the water.*

#### 14. TRANSPORT INFORMATIONS

*Road Transportation RID/ADR : Not classified as dangerous for transport.*

*Sea Transportation: IMDG (Dangerous material transportation on the sea) Not classified as dangerous.*

*Air Transportation: IATA-DGR'ye (Dangerous material transportation on the air) Not classified as dangerous.*

#### 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.*

#### 16. OTHER INFORMATIONS

##### 16.1 THE ABRIDGMENTS IN THE MSDS

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



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**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 dōşe

**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 aranged by:** Nurdan KAYA

**Expert no:** TÜV/11.18.08

