

## MATERIAL SAFETY DATA SHEET

### DROPY GEL PURE

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

*Document Preparation Date: 19.10.2019*

#### 1-) PRODUCT AND PRODUCER IDENTIFICATION

##### 1.1 PRODUCT IDENTIFICATION

*Product Name: DROPY GEL PURE*

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

*The product is suitable for laundry bleaching. 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 Metal Corrosive 1 H290*

*Human Health Skin Corrosive 1A H314  
Eye Damage 1 H318*

*Environment Aquatic Acute H400  
Aquatic Chronic H412*

##### 2.2 LABEL FACTOR

*Labelling (28848 T.C.)*



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**Warning Instruction : Attention**

**Harmfulness Significations :**

**H315** Causes skin irritation  
**H319** Causes serious eye damage

**Prevention Significations :**

**P264** Wash your hands after using  
**P280** Use protector glove/ protector cloth/ eyesprotector/  
face protector

**P302+P352** Wash with plenty of water in case of skin contact  
**P305 + P351+P338** 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

**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	*
Phosponates	6419-19-8 2809-21-4 15827-60-8	229-146-5 220-552-8 239-931-4	Disinfection	Metal Corrosive 1 H290 Skin Irritant 2 H315 Eye Damage 1 H318	%<1
Sodium Hydroxide	1310-73-2	215-185-5	Buffering	Skin Corrosive 1A H314	%≥1 - <%5
composition for hypochlorite based cleaners with excellent chlorine stability	-	-	Surfactant	Skin Irritant 2 H315 Eye Damage 1 H318 Aquatic Acute H400 Aquatic Chronic H412	%≥1 - <%5

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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	%≥1 - <%5
Lauramine Oxide	85408-49-7	-	Surfactant	Aquatic Tox. 4 H302 Skin Irritant 2 H315 Eye Damage 1 H318 Aquatic Acute H400	%<1
Sodium hypochloride	7681-52-9	231-668-3	Oxidising	Skin Irritant 1B H314 Aquatic Acute 1 H400	%≥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.*

#### 5. FIRE FIGHTNING PRECAUTION

##### 5.1 FIRE EXTINGUISHERS

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*Suitable Fire extinguishers: Water spray, foam, carbon dioxide*

*Unsuitable Fire extinguishers: No information available*

#### **5.2 ESPECIAL DAMAGES**

*Sodium hypoklorite is not burnable but it disintegrates at acidic atmosphere with effect of warm and light. If the container has pressure, may exposure in contact with acid or when it get warm. May cause severe reactions with oxidizing organic substances*

#### **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**

*Personal Precautions : Avoid contact with eyes, skin, and clothing. Ensure adequate ventilation. Use personal protective equipment as required. For spills of multiple products, responders should evaluate the MSDSs of the products for incompatibility with sodium hypochlorite. Breathing protection should be worn in enclosed and/or poorly-ventilated areas until hazard assessment is complete.*

#### **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.*

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**Methods for Cleaning Up** : Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.

## 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.

**Hand protection** :No special protective equipment required.

**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.



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**Hygiene measures** : Handle in accordance with good industrial hygiene and safety practice. Wash hands after direct contact. Do not wear product-contaminated clothing for 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>Clear Gel</b>
<b>Colour</b>	<b>Pale Yellow</b>
<b>Odour</b>	<b>Characteristic</b>
<b>Odour Threshold</b>	<b>Not determined</b>
<b>pH value @20°</b>	<b>12 – 14</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 (@20°C)(cP)</b>	<b>750-1000</b>

**10. STABILITY AND REACTION**

**10.1 REACTION:** Reacts with other household chemicals such as toilet bowl cleaners, rust removers, acids, or products containing ammonia to produce hazardous irritating gases, such as chlorine and other chlorinated compounds.



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**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:** *Toilet bowl cleaners, rust removers, acids, and products containing ammonia.*

**11. TOXICOLOGICAL INFORMATION****11.1 INFORMATION ON TOXICOLOGICAL EFFECTS**

**Inhalation:** *Exposure to vapor or mist may irritate respiratory tract and cause coughing. Inhalation of high concentrations may cause pulmonary edema.*

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

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

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

**Component Information**

<b>Chemical Name</b>	<b>LD50 Oral</b>	<b>LD50 Dermal</b>	<b>LC50 Inhalation</b>
Sodium hypochlorite 7681-52-9	8200 mg/kg (Rat)	>10000 mg/kg (Rabbit)	-

**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.*



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Mutagenic Effects: No information available.

Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen.

<b>Chemical Name</b>	<b>ACGIH</b>	<b>IARC</b>	<b>NTP</b>	<b>OSHA</b>
Sodium hypochlorite 7681-52-9	-	Group 3	-	-

**IARC (International Agency for Research on Cancer)**

Group 3 - Not Classifiable as to Carcinogenicity in Humans

**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).

**Aspiration Hazard** No information available.

**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**



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*No data available.*

#### **12.5 RESULT of ASSESMENT of PBT and vPvT**

*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. The product is toxic for the organisms which live in the water.*

### **14. TRANSPORT INFORMATIONS**

*Road Transportation RID/ADR: IMDG (Dangerous material transportation on the road) Not classified*

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

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

### **15. REGULATORY INFORMATIONS**

#### **15.1 SAFETY, HEALTY 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 healty on chemical materials, 12 Agust 2013 dated, 28733 numbered.*



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- *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*

**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 döşe*

**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*

