

MATERIAL SAFETY DATA SHEET

DROPY BLEACHER

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 BLEACHER

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)

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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 irritation 1B H314
Eye Damage 1 H318

Environment Aquatic Acute 1 H400

2.2 LABEL FACTOR

Labelling (28848 T.C.)



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Warning Instruction : Attention

Harmfulness Significations :

H290 Irritant for metals
H315 Causes skin irritation

Prevention Significations :

P264 Wash well after handling
P280 Use protector glove/ protector cloth/
eyesprotector/ face protector
P302 + P352 If it's in contact with skin; wash with
extremewater and soap
P321 Needed especial interference
P332 + P313 If there is irritation on the body;
medicalassistance is required
P362 Take off the contaminated clothes and wash
before reutilize

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	*
Sodium hypochloride	7681-52-9	231-668-3	Oxidising	Skin Irritant 1B H314 Aquatic Acute 1 H400	%≥1 - ≤%5
Phosphonates	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 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
Parfum	-----	-----	Perfuming	Not classified	*

*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.

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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 artifical respiration.*

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

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

Suitable Fire extinguishers: Water spray.

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 fightning:

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



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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.

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.



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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.

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**

Appearance	Clear Liquid
Colour	Pale Yellow
Odour	Characteristic
Odour Threshold	Not determined
pH value @20°	12 – 14
Flashing point	Not flammable
Max/Min expolsing limits	Not explosive
Solubility	Soluble
Viscosity (@20°C)(cP)	Not determined



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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.*

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

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
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.*



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

Chemical Name	ACGIH	IARC	NTP	OSHA
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.



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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.

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, 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 arrengeed by: Nurdan KAYA

Expert no: TÜV/11.18.08

