

MATERIAL SAFETY DATA SHEET

DROPY LIME AND RUST REMOVER

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 LIME AND RUST REMOVER

1.2 PRODUCT AREAS OF USAGE AND INADVISABLE USAGE AREAS

The product is suitable for kitchen and bathroom cleaning. Avoid from direct contact with eyes and mouth and skin.

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 Not Classified

Human Health Skin irritation 2 H315
Eye irritation 2 H319

Environment Aquatic Chronic 3 H412

2.2 LABEL FACTOR

Labelling (28848 T.C.)



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Warning Instruction : *Danger*

Harmfulness Significations :

- H314** Causes serious eye damage and skin burns
H412 Harmfull effect at aquatic envirenment for long time

Prevention Significations :

- P260** Don't breath
P280 Wash your hands after using
P280 Use protector glove/ protector cloth/
eyesprotector/ face protector
P301 + P330+P331 Shake your mouth in case of swallow.
Don't throw up
P305 + P351+P338 Rinse cautiously with water for several
minutes. Remove contact lenses, if present and easy to remove. Continue rinsing.
P310 Call immediately UZEM 114 phone number or
doctor
P501 Destroy the package

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	*
Sulphamidic Acid	5329-14-6	226-218-8	Strong Cleaning	Eye Irritation 2 H319 Skin Irritation 2 H315 Aqutic Chronic 3 H412	%5 - %15
Phosphoric Acid	7664-38-2	231-633-2	Strong Cleaning	Eye Irritation 2 H319 Skin Irritation 2 H315	%5 - %15

*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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DROPY LIME AND RUST REMOVER

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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 artificial 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, foam, carbon dioxide

Unsuitable Fire extinguishers: No information available

5.2 ESPECIAL DAMAGES

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.

Protector equipments:

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



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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.

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.



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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	Red
Odour	Characteristic
Odour Threshold	Not determined
pH value @20°	0-2
Flashing point	Not flammable
Evaporation rate (butyl acetate=1)	Not determined
Max/Min expolsing limits	Not explosive
Solubility	Not determined
Degradation temperature	Not determined
Viscosity (@20°C)(cP)	Not determined

10. STABILITY AND REACTION

10.1 REACTION: *Stable under recommended storage conditions.*

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



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

10.4 SITUATIONS TO AVOID: *Caustics, halogens, alkalines, acids, reactive chemicals.*

10.5 INCOMPATIBLE MATERIALS: *No data available*

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.*

Information on toxicological effects:

LD 50 3160 mg/kg (rat)

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.*

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 INFORMATION



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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.

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 sea) 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



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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*

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*



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16.2 ARRANGER

The MSDS has been arranged by: Nurdan KAYA

Expert no: TÜV/11.18.08

