

MATERIAL SAFETY DATA SHEET

PAX ANTIBACTERIAL MULTI-PURPOSE SURFACE DISINFECTANT SPRAY ORIGINAL

The SDS has been prepared according to EU REGULATION (EU) 2015/830 dated 29.05.2015
Document Preparation Date: 11.04.2020

1-) PRODUCT AND PRODUCER IDENTIFICATION

1.1 PRODUCT IDENTIFICATION

Product Name: PAX ANTIBACTERIAL MULTI-PURPOSE SURFACE DISINFECTANT SPRAY
Original

1.2 PRODUCT AREAS OF USAGE AND INADVISABLE USAGE AREAS

Usage Areas: The product is used for surface disinfection. Biocidal Product Type 2

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

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

Skin sensitisation, Category 1 - H317: May cause an allergic skin reaction.

Environment

Not Classified.

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2.2 LABEL FACTOR

Labelling (28848 T.C.)



Warning Instructions: Attention

Harmfulness Significations:

H319: Causes serious eye irritation.

H317: May cause an allergic skin reaction.

Precautions Significations:

Prevention

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 – Wash Hands thoroughly after handling.

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.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

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

P363 - Wash contaminated clothing before reuse.

Storage

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

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 Number	Function	Classification (According to SEA)	Concentration (%)*
Aqua / Water	7732-18-5	231-791-2	Solvent	Not Classified	Up to 100
Quaternary ammonium compounds, benzyl-C12-14alkyldimethyl, chlorides	68424-85-1	270-325-2	Active Ingredient / Antibacterial Agent	Acute Tax. 4; H302 Skin Corr.1B; H314 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	0,1 (w/w)
Caprylyl/Decyl Glucoside	68515-73-1	500-220-1	Surfactant	Eye Dam. 1; H318 Aquatic Acute 3; H402	%≥1 - ≤%5
Alcohol Ethoxylate, Polyalkyleneoxide Silane	9043-30-5 / Trade Secret	-	Surfactant	Eye Dam. 1; H318	%<1
Citric Acid	5949-29-1	201-069-1	Buffering	Eye Dam. 2; H319	%<1
Parfum	N/A	N/A	Perfuming	Skin Corr. 2;H315 Skin Corr.1; H317 Eye Dam. 2; H319 STOT SE 2, H371 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.

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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.*

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 (CO₂). Water spray. Foam. Dry extinguishing powder.*

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:

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Do not allow fire fighting water to enter drains or watercourses. Intervene by taking normal
measures from a reasonable distance to the fire.*

Protector Equipment:

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

6-) PRECAUTIONS AGAINST TO DIFFUSE AFTER ACCIDENT

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. Provide enough. Under personal protective
equipment when needed. In more than one product distribution, the responsible evaluate the
product GDRs. Respiratory protection is for closed and / or poorly ventilated, should be used
until completed under danger.*

6.2 ENVIRONMENTAL PRECAUTIONS

*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

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*The SDS has been prepared according to EU REGULATION (EU) 2015/830 dated 29.05.2015
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 and heat.*

8-) EXPOSURE CONTROLS AND PERSONAL PROTECTIONS

Benzalkonium chloride (Quaternary ammonium compounds, benzyl-C12-14alkyldimethyl, chlorides)

ECHA DNEL: General population via dermal systemic long-term

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/m³

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/m³

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

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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.

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

Appearance	TransparentLiquid
Colour	Orange
Odour	Characteristic
Odour Threshold	No data available
pH value @20°	4,0 – 6,0
Melting point	No data available
Boiling point	No data available
Flashing point	No data available
Evaporation rate (butyl acetate=1)	No data available
Flammability	No data available
Max/Min expolsing limits	No data available
Vapor Pressure (mmHg)	No data available
Vapor Density (air=1)	No data available
Solubility	Soluble
Distribution coefficient	No data available
Inflammation temperature	No data available
Degredation temperature	No data available
Viscosity (@20°C) (SP4, 100 RPM)	N/A

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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.*

11-) TOXICOLOGICAL INFORMATIONS**11.1 INFORMATION ON TOXICOLOGICAL EFFECTS****ACUTE TOXICITY**

Chemical Name	LD50 Oral	LD50 Dermal	LD50 Inhalation
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.*

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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: No information available.

Reproductive Toxicity: No information available.

STOT – single exposure: No information available

STOT – repeated exposure: No information available

Chronic Toxicity: The carcinogenic potential is unknown.

Target Organ Effects: Eyes and skin

Aspiration Hazard: No information available.

12-) ECOTOXICOLOGY INFORMATIONS

12.1 ECOTOXICITY

*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 PERSISTENY AND BIODEGRADABILITY

No data available.

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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.

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.

14-) TAŞIMA BİLGİLERİ

Land Transport (ADR/RID):

No special transportation requirements as the product is not hazardous.

Ocean Transport (IMDG Code)

No special transportation requirements as the product is not hazardous.

Airway Transport (ICAO-TI ve IATA-DGR)

No special transportation requirements as the product is not hazardous.

15-) REGULATORY INFORMATIONS

15.1 SAFETY, HEALTHY AND ENVIRONMENT REGULATION FOR MATERIALS AND MIXTURES

NATIONAL REGULATION

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- *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

SEA: Classification, labelling, packing regulation

DNEL: Derivated non effect level

PNEC: Predicted non effect concentration

BHOT: Spesific target organ toxicity

16.2 ARRANGER

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The MSDS has been arranged by: Merve ALIŞAN*

Exprt no: GBF-A-0-2773