

MATERIAL SAFETY DATA SHEET

PAX FOR BATHROOM

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: PAX FOR BATHROOM

1.2 PRODUCT AREAS OF USAGE AND INADVISABLE USAGE AREAS

The product is suitable for bathroom cleaning. 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 Not classificationed as harmfull with in scope of SEA

Human Health
Acute Tox. 3 H331
Acute Tox. 3 H311
Acute Tox. 3 H301
Skin Irritant. 1B H314

Environment
Aquatic Acute 1 H400
Aquatic Chronic 1 H410

2.2 LABEL FACTOR

Labelling (28848 T.C.)



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Warning Instruction : Attention

Harmfulness Significations :

H301	Toxic in case of swallow
H311	Toxic in case of contact with skin
H315	Causes skin irritation
H331	Toxic in case of inhalation
H410	Very toxic effect at aquatic environment for long time

Prevention Significations :

P264	Wash well after handling
P280	Use protector glove/ protector cloth/ eyesprotector/ face protector
P280	Rinse your mouth
P305 + P351+P338	In case of eye contact, rinse with water for several minutes. Remove lense sif you have and keep rinse.
P302+352	Rinse with plenty of water in case of skin contact
P337+313	If the eye damage 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	*
Methylchloroisothiazolinone and Methylisothiazolinone	55965-84-9	-	Preservative	Acute Tox. 3 * H331 Acute Tox. 3 * H311 Acute Tox. 3 * H301 Skin Irritant. 1B H314 Skin Sens. 1 H317 Aquatic Acute 1 H400 Aquatic Chronic 1 H410	%<1

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Sulfuric Acid	73296-89-6	277-362-3	Cleaning	Acute Tox. 4 * H302 Eye Damage 2 H319 Skin Irritation 2 H315	%≥1 - ≤%5
Caprylyl/Capryl Glucoside	68515-73-1	500-220-1	Surfactant	Eye Damage 1 H318	%≥1 - ≤%5
Sodium Hydroxide	1310-73-2	215-185-5		Skin Irritant. 1A H314	
Polyetherpolysiloxane	-	935-870-9	Cleaning	Skin Irritation 2 H315	%<1
Hydroxydichlorodiphenyl Ether	3380-30-1	-	Antimicrobial	Eye Damage 1 H318 Aquatic Acute 1 H400 Aquatic Chronic 1 H410	%<1
Citric Acid	77-92-9	201-069-1	Buffering / Chealting	Eye Irritation 2 H319	%<1
PARFUM	-	-	Perfuming	Not Classified	*

**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 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.

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5. FIRE FIGHTING 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 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.

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**

Appearance	Clear Liquid
Colour	Blue
Odour	Characteristic
Odour Threshold	Not determined
pH value @20°	3,5 – 4,5
Melting point	Not determined
Boiling point	Not determined
Flashing point	Not flammable
Max/Min expolsing limits	Not explosive

10. STABILITY AND REACTION

10.1 REACTION: *Reacts with other household chemicals such as toilet bowl cleaners, rust removers, bases, 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:

- *Reactions with oxidising agents*
- *Reactions with reducing agents*
- *Reactions with amines*

10.4 SITUATIONS TO AVOID: *Keep away from heat*

10.5 INCOMPATIBLE MATERIALS: *Strong oxidizing agents*



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11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

PRODUCT:

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.

Acute oral toxicity: LD50 > 2000 mg/kg body weight

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).

Aspiration Hazard No information available.



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COMPONENTS:

Methylchloroisothiazolinone and Methylisothiazolinone:

*Acut toxicity: >2000 mg/kg
Skin Contact: Causes burns
Eye Contact: Risk of serious damage to eyes.
Inhalation: No information available
STOT - single exposure: No information available.
STOT - repeated exposure : No information available*

Sulfiric Acid:

*Acut toxicityLD50: >2000 mg/kg
Skin Contact: Irritant
Eye Contact: Severely irritant
Inhalation: No information available
STOT - single exposure: No information available.
STOT - repeated exposure : No information available*

Caprylyl/Capryl Glucoside – Sodium Hydroxide:

*Acut toxicityLD50 rat: >5000mg/kg
Skin Contact: Slightly irritant
Eye Contact: Severely irritant
Inhalation: No information available
STOT - single exposure: No information available.
STOT - repeated exposure : No information available.*

Polyetherpolysiloxane:

*Acut toxicityLD50 rat: >5000 mg/kg
Skin Contact: Skin irritation didn't observed on rabbits
Eye Contact: Eye irritation didn't observed on rabbits
Inhalation: No information available
STOT - single exposure: No information available.
STOT - repeated exposure : No information available.*

Hydroxydichlorodiphenyl Ether:

*Acut toxicityLD50 rat: 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: No information available.*



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STOT - repeated exposure : No information available.

Citric Acid:

Acut toxicityLD50 rat: 375 mg/kg

Skin Contact: No information available

Eye Contact: Causes irritation on eyes

Inhalation: Causes allergic reactions if inhaled for long time

STOT - single exposure: No information available.

STOT - repeated exposure : 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

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, 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 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



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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 arrenge**d** by: Nurdan KAYA*

Expert no: TÜV/11.18.08

