

ROYAL İLAÇ
San. Tic. Ltd. Şti

Royal İlac San ve Tic. Ltd.Şti
Organize San. Böl. 23. Cad.No:5
Kayseri/TURKEY
Tel: (+90) 352 321 26 44
Fax: (+90) 352 321 26 45

Publication Date: 22.12.2019
Number of registrations:2
GBF No:037

Dezinfex DCLR 337

MATERIAL SAFETY DATA SHEET

Prepared according to the Regulation on the Preparation of Safety Data Sheets for Hazardous Substances and Mixtures (Official Gazette No. 13.12.2014- 29204).

Part 1. Product and Company Identification

Manufacturer Name: Royal İlac San.Tic.Ltd.Şti
Address : Organize San Bölgesi. 23. Cd. No:9 Melikgazi/KAYSERİ
Telephone : +90 352 321 26 44
Fax : +90 352 321 26 45
Web address : www.royalilac.com
E-mail : info@royalilac.com
Emergency Tel :

Part 2. Hazard identification

According to the Regulation on Classification, Labeling and Packaging of Hazardous Substances, the mixture is classified as skin abrasive 1A and Aquatic Acute 1..

2.1. Physical Hazard: Corrosive to skin.

Health hazard: Causes severe skin burns and eye damage.

Danger to the environment: Toxic to aquatic organisms.

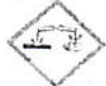
2.2. Label Features

Hazard Signs

According to Regulation on Classification, Labeling and Packaging of Substances and Mixtures No: 28848 dated 11.12.2013; Skin Wear. 1A Ktg 1
Aquatic Acute Ktg 1 is classified as.

Pictogram:

GHS05



Danger

GHS09



Toxic to aquatic organisms

Hazard Statements:

H314: Causes severe skin burns and eye damage.

H400: Very Toxic to aquatic life.

EUH206: " Attention! Do not use with other products. May produce hazardous gases (chloride).

EUH031: Contact with acids liberates toxic gas.

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Precaution Statements:

	P102	Keep out of reach of children.
	P103	Read the label before use.
	P260	Do not breathe vapor or spray.
	P262	Avoid contact with eyes, skin or clothing.
Precaution	P264	Wash with plenty of water and soap after handling.
	P280	Wear protective gloves / protective clothing / eye protection / face protection.
	P301+P330+P331	IF SWALLOWED: Rinse mouth. DO NOT attempt to resign.
	P303+P361+P353	IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
Müdahale	P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P310	Immediately call a POISON CENTER or doctor / physician.
	P363	Wash contaminated clothing before reuse.
	P234	Store only in the original container.
	P273	Avoid release to the environment. (See section 13)
Depolama Bertaraf	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P405	Store it under lock.
	P501	Dispose of contents / container in accordance with applicable legislation. (Bkz.13.Böl 1)

Part 3. Chemical Composition / Information on Ingredients

Chemical Name	Concentration % (w/w)	Cas No	EC No
Sodium Hypochlorite	13± 2	7681-52-9	231-668-3
Sodium hydroxide	12± 2	1310-73-2	215-185-5

3.2 Mixture

Sodium Hydroxide, Sodium Hypochlorit

Part 4. First Aid Information

Ingestion : Harmfull.Do Not Induce Vomiting! Get medical attention or call International Poison Information Center (114).

Inhalation: Move casualty to fresh air and keep at rest. Get medical attention immediately.

Eyes Contact : Cause burns.Immediately check for and remove any contact lenses and flush with plenty of water for at least 20 minutes. Get medical attention immediately.

Skin Contact : Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cold water may be used.Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

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Part 5. Fire Fighting Measures

Suitable Extinguishing Media : Not combustible, however, if material is involved in a fire use: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

Specific hazards arising from the substance or mixture:Non-combustible material.

Special protective equipment and precautions for fire-fighters:Not combustible, however following evaporation of aqueous component residual material can decompose if involved in a fire, emitting toxic fumes. Contact with metals may liberate hydrogen gas which is extremely flammable. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

Other risks: Sodium hypochloride is not flammable but it decomposes in acidic conditions under the influence of heat and light. If there is pressure in containers, when it is heated or in contact with acid gases, it can be explode. It may react strongly with oxidized organic materials, may be resulted flammable. It is explosive with ammonium salts, amines or methanols.

Part 6. Accidental Release Measures

Personal Protection : Use proper personel protective, respiratory protection, gloves, splash goggles and face shield. Absorb spill with inert material (e.g. vermiculite, sand or earth) then place in suitable container. Avoid run off into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions with protective equipments. Provide ventilation.

Environment : Dilute the product with many of water . Releasing may be harmful for the environment.

Part 7. Handling and Storage

Usage : Avoid contact with skin, eyes and clothes. Do not swallow. Keep away from acids, halogens, flammable liquids. Wash your hands many of water thoroughly after handling, transportation and usage .

Storage : Store in a cool, dry, well-ventilated area at +4 and +25 C. far away from the food and drinks. Do not expose sunlight directly. Protect product from freezing.

Part 8. Exposure Controls/ Personel Protection

Exposure Limits : Not available.

Technical Exposure Limits : If the workers exposure over the limits, they must use respiratory gases masks.

Sınır değeri ile ilyerinde kontrol edilmesi gereken bileşenler :

1310-73-2 sodium hydroxide (% 15 ±2)

TLV-Ceiling : 2 mg / m³

7681-52-9 Sodium Hypochlorite (% 25 ±2)

AHA (WEEL) – STEL : 2 mg/m³

OSHA (PEL) : 0.5 ppm (TWA), 1 ppm (STEL) as Chlorine

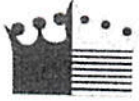
ACGIH (TLV) : 1 ppm (TWA), 3 ppm (STEL) as Chlorine

Personal Protective Equipments :

Hands : Wear PVC gloves.

Eyes : Avoid contact with eyes or splash. Wear chemical splash goggles and face shield.

Skin : Wear appropriate clothes and avoid contact with skin.



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San. Tic. Sic. No: 2712019

Number of registrations: 2

GBF No: 037

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Part 9. Physical and Chemical Properties

Appearance: Liquid
Color: Clear and yellow
Odor: Chlorine
pH: > 13
Boiling Point: Not determined
Flammable Property: Non-flammable.
Flash Point: Not relevant.
Explosive Properties: Product is not explosive.
Explosion Limits: Not applicable.
Oxidizing Properties: Oxidizing.
Density: 1.15-1.17 g / cm³ (20 °C)
Solubility: Soluble in water.

Part 10. Stability and reactivity

10.1-Reaction: Reacts with acids to release toxic gases. It slowly decomposes with heat, light and metals.
10.2-Chemical Stability: Stable and stable under the conditions mentioned above.
Possibility of hazardous reactions: Reacts upon contact with acids and metals.
10.4-Conditions to avoid: Do not mix with any other chemicals or materials. Do not leave the product open. Keep away from heat and light.
10.5-Materials to avoid: Keep away from organic materials, metals (amphoteric metals such as nickel, copper, iron, tin, aluminum, zinc, magnesium, manganese), nitro compounds, combustible materials, halogenated compounds, acids.
10.6-Hazardous decomposition products: In contact with acids, chlorine gas, which is a toxic and corrosive gas, is released. At temperatures above 40 °C, sodium chloride and sodium chloride are formed. Decomposition with some metals produces flammable and explosive hydrogen gas.

Part 11. Toxicological Information

Acute Toxicity : According to the toxicological classification , I.D50 (oral) 200-2000 mg / kg.
On the skin : Causes severe burns.
With eyes : Causes strong and permanent damages .
Inhalation : Irritant
Mutagenic Effect : No information
Carcinogenicity : No listed as carcinogen

Part 12. Ecological Information

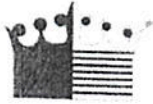
12.1-Ecotoxicity: Very toxic to aquatic organisms. (Aquatic Acute Ktg 1)
12.2-Persistence and degradability: Not applicable
12.3-Bioaccumulative potential: Not applicable
12.4-Mobility in soil: Not applicable
12.5-Results of PBT and PVB assessment: Not applicable
12.6-Other adverse effects

Part 13. Disposal considerations

Dispense or neutralize the product and send it to the sewer, otherwise do not dispose of it into any water source or sewer. Otherwise, the product entering the sewers or water channels may increase the pH of the media excessively, damaging aquatic organisms.
Ensure that product or packaging waste is disposed of in accordance with applicable legislation and regulations.
Take care not to contaminate wastes containing substances which may cause reaction. Neutralize the caustic solution with hydrochloric acid after treatment with a reducing agent such as sodium sulfite (make sure there are no chlorine residues).
Consume the product in accordance with the instructions for use.

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Part 14. Transportation Information

Highway(ADR/RID) : Class: 8 Corrosive , UN-No: 1719, Packaging group : 2
CAUSTIC ALKALINE LIQUID, N.O.S* (Sodium hydroxide, hypochlorite)

Shipping Transportation (IMDG) : Class: 8 Corrosive , UN-No: 1719,
Packaging Group:2 , EMS No:F-A, S-B
CAUSTIC ALKALINE LIQUID, N.O.S* (Sodium hydroxide, hypochlorite)

Air Transportation (_CAO-T_ ve _ATA-DGR) : Sınıf: 8 Aşındırıcı maddeler , UN-No: 1719, Packaging Group: 2 , CAUSTIC ALKALINE LIQUID, N.O.S* (Sodium hydroxide, hypochlorite)

*Unless otherwise indicated.

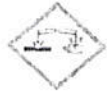
Chapter 15. Regulatory Information

The Regulation on the Classification, Labeling and Packaging of Dangerous Goods published in the Official Gazette, repeated on 28.12.2013, numbered 28848, has been prepared in accordance with the Regulation on Safety Data Sheets of Hazardous Substances and Mixtures published in the Official Gazette, repeated on 29.12.2014 and dated 13.12.2014.

Section 16. Other Information

Pictogram:

GHS05



Danger

GHS09



Toxic to aquatic organisms

Hazard Statements:

H314: Causes severe skin burns and eye damage.

H400: Very Toxic t aquatic life.

EUH206: " Attention! Do not use with other products. May produce hazardous gases (chloride).

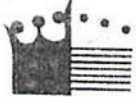
EUH031: Contact with acids liberates toxic gas.

Precautionary Statements:

	P102	Keep out of reach of children.
	P103	Read the label before use.
	P260	Do not breathe vapor or spray.
	P262	Avoid contact with eyes, skin or clothing.
Precaution	P264	Wash with plenty of water and soap after handling.
	P280	Wear protective gloves / protective clothing / eye protection / face protection.
	P301+P330+P331	IF SWALLOWED: Rinse mouth. DO NOT attempt to resign.
	P303+P361+P353	IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
Müdahale	P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P310	Immediately call a POISON CENTER or doctor / physician.
	P363	Wash contaminated clothing before reuse.

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	P234	Store only in the original container.
	P273	Avoid release to the environment. (See section 13)
Storage	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Disposal	P405	Store it under lock.
	P501	Dispose of contents / container in accordance with applicable legislation. (Bkz.13.Böl 1)

Sources of Information:

- Regulation on the Classification, Labeling and Packaging of Dangerous Goods published in the Official Gazette with a number of 28848 dated 11.12.2013
- Regulation on Safety Data Sheets of Hazardous Substances and Mixtures published in the Official Gazette No. 29204 dated 13.12.2014

Preparing By
Derya Akcan
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TUV.01.183.02

Except for the accuracy of the information stated in this document in accordance with the above laws and regulations, the company does not give any guarantee for any circumstances that may arise as a result of the application of the product other than its intended use and the company is not responsible for these results.

It does not guarantee compliance with other country, state or regional laws regarding the use or sale of the product. It should be assessed separately in accordance with the laws and regulations of that country, state or territory.

The company is not liable for damages of the purchaser or damages caused directly by third parties if the information and conditions provided in this safety data sheet are not adhered to.

Prepared by Derya AKCAN

Manufacturing Date: 14.08.2021
Expiration Date: 14.08.2022
Batch no: 226

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Organize Sanayi Bölgesi, 23. Cad. No: 5
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Tel: (+90) 352 321 26 44 Fax: (+90) 352 321 26 45
Mühürleşmiş V.D. 487 005 0004