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Number of Editing: 1  
GBF No: 005

**Dezinfex CHLR Plus306**  
**MATERYAL SAFETY DATA SHEET**

The Regulation on the Preparation of Safety Data Sheets for Hazardous Substances and Mixtures is regulated in accordance with the provisions of the Official Gazette dated 13.12.2014- 29204.

**Part 1. Product and Company Identification**

Manufacturer Name: Royal İlaç San.Tic.Ltd.Şti  
Address : Organize San Bölgesi, 23. Cd. No:5 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. Identification of Hazard**

Mixture according to Regulation on the Classification, Labeling and Packaging of Dangerous Substances. 1A is classified as Ktg 1.

2.1. Physical hazard:None.

Hazard:Skin Wear. 1A Ktg 1 => H 314: Causes severe skin burns and eye damage.

Danger for the environment:Aquatic Acute Ktg 1  
H400. Very toxic to aquatic organisms.

Other:

EUH 031: Contact with acids liberates toxic

Do NOT induce vomiting. Call a doctor or National Poison Information Center (UZEM) 114 immediately.

**2.2. Label Elements**

**Hazard pictograms**

Mixture according to the Regulation on the Preparation of Safety Data Sheets for Hazardous Substances and Mixtures (Official Gazette dated 13.12.2014- 29204). 1A Ktg 1

Aquatic Acute Ktg is classified as 1

GHS05



Dangerous

GHS09



Toxic to aquatic organisms

Hazard statements:

H314: Causes severe skin burns and eye damage.

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

EUH031: Contact with acids liberates toxic gas.



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#### Precautionary Statement:

|                  |                |                                                                                                                                    |
|------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------|
|                  | 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 soap and water after handling.                                                                                 |
|                  | P280           | Wear protective gloves / protective clothing / eye protection / face protection.                                                   |
|                  | P301+P330+P331 | IF SWALLOWED: Rinse mouth. DO NOT attempt to resume.                                                                               |
|                  | P303+P361+P353 | IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse your skin with water / shower.                |
| Intervention     | P304+340       | IF INHALED: Remove person 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. If installed and easy to do, remove contact lenses. Continue rinsing. |
|                  | P310           | Immediately call a POISON CENTER or doctor for the NATIONAL POISON CENTER.                                                         |
|                  | P321           |                                                                                                                                    |
|                  | P363           | Wash contaminated clothing before reuse.                                                                                           |
|                  | P234           | Keep only in original container.                                                                                                   |
|                  | P273           | Avoid release to the environment. (See Section.13)                                                                                 |
| Storage disposal | P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. If installed and easy to do, remove contact lenses. Continue rinsing. |
|                  | P405           | Store under lock.                                                                                                                  |
|                  | P501           | Dispose of contents / container in accordance with the legislation in force.                                                       |

#### Part 3. Chemical Composition / Information on Ingredients

| Name of Product     | Concentration % (w/w) | Cas No    | EC No     | Classification                                                          |
|---------------------|-----------------------|-----------|-----------|-------------------------------------------------------------------------|
| Sodium Hypochloride | 25 ± 0.2              | 7681-52-9 | 231-668-3 | Skin Wear. 1B H314<br>Aquatic Acute 1 H400<br>GHS05 GHS09<br>EUH031 Th1 |
| Sodium hydroxide    | 18 ± 0.2              | 1310-73-2 | 215-185-5 | Skin Wear. 1A C≥5%<br>H314<br>GHS05 Th1                                 |

#### 3.2 Composition:

Sodium hypochloride, sodium hydroxide

#### Part 4. First Aid Measures

IF SWALLOWED: Rinse mouth. DO NOT attempt to resume.  
 IF INHALED: Remove patient to fresh air immediately. If breathing is stopped, apply artificial respiration. Give oxygen if breathing is difficult. Call a doctor immediately.  
 IF IN EYES: Rinse cautiously with water for several minutes. If installed and easy to do, remove contact lenses. Continue rinsing.  
 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse your skin with water / shower.



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**Section 5. Fire Fighting Measures**

**Suitable extinguishing media:** Water spray, foam, dry chemical, carbon dioxide may be used. Fire water contaminated with this material should not be given to any water source or sewage as it is toxic to the aquatic environment, it must be disposed of according to waste regulations.

**Unsuitable extinguishing media:** None known.

**Protective equipment during fire:** Firefighters must wear suitable protective equipment and respirators.

**Other hazards:** Sodium hypochlorite is not flammable but decomposes under acidic conditions by heat and light. If there is pressure in the containers, they may explode when heated or in contact with acid gases. It enters violent reactions which can result in fire with oxidizing organic substances. Sodium hydroxide can react violently with metals and light metals. The reaction increases the risk of hydrogen gas explosion. The product reacts with acids, nitriles, alkaline earth metals in powder form, ammonium compounds, cyanides, magnesium, organic nitro compounds, organic combustible substances, phenols and oxidizing agents.

**Section 6. Accidental Release Measures**

**Personal precautions:** Wear suitable respiratory equipment, gloves and eye protection. If spilled, do not breathe vapors of the spilled material, ventilate the environment. If the material in the environment is low, flush with water. If there is too much propagation, first remove excess material with a non-flammable absorbent (sand, earth), remove from contact with water sources, dispose of according to waste classification, clean the residue with water.

**Environmental precautions:** Dilute with plenty of water. A large amount of release into the environment can be harmful.

**7.1 Handling**

Preventive measures for safe handling of the mixture

Store the product tightly closed in a cool place in its original packaging. Do not expose to direct sunlight. Do not expose to temperatures above 0 ° C or above 30 ° C. Avoid contact with the clothing and the product during handling. Do not swallow.

Technical measures for environmental protection

**7.2. Conditions for Safe Storage Including Disposes**

Keep tightly closed in the original package between +15 and +25 15C. Do not expose to sunlight. Do not freeze the product.

**Section 8. Exposure Controls / Personal Protection**

Exposure Limits: Not available.

Occupational Exposure Limits: Appropriate and approved gas masks should be used if employees are exposed above the limit values.

Components to be checked in the province with the limit value:

1310-73-2 sodium hydroxide (15 ± 2%)

TLV-Ceiling: 2 mg / m<sup>3</sup>

STEL: 10 min 2 mg / m<sup>3</sup> (United Kingdom)

PEL: 2mg / m<sup>3</sup>

7681-52-9 Sodyum Hipochloride ( % 25 ± 2 )

AIHA (WEEL) – STEL : 2 mg/m<sup>3</sup>

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

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

**Personal Protection Equipment:**

**Hand Protection:** Rubber or PVC gloves.

**Eye Protection:** Avoid contact with eyes or splashing. If necessary, wear chemical goggles. In case of contact with eyes, rinse immediately with plenty of water for at least 20 minutes.

**Skin Protection:** Use rubber clothes or aprons. Avoid contact with skin. Wash immediately with plenty of water for at least 15 min.



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**Part 9. Physical and Chemical Properties**

Appearance: Liquid  
Color: clear and yellow  
Odor: Chlorine  
pH:  $\approx$  13  
Boiling Point: Not detected  
Melting Point: Not available  
Flash Point: Not relevant.  
Explosive Properties: The product is not explosive.  
Explosion Limits: Not applicable.  
Explosive Properties: Not applicable.  
Density: 1.18-1.23 g / cm<sup>3</sup> (21.7 l.C)  
Solubility: Soluble in water.

**Section 10. Stability and Reactivity**

10.1-Reaction: Reacts with acids.  
10.2-Chemical Stability: Stable and stable under the conditions mentioned above (See Section 7). No decomposition if stored as recommended.  
10.3- Possibility of hazardous reactions: Reacts with acids and metals.  
10.4-Conditions to avoid: Do not mix with any other chemicals or materials. Do not leave the product open.  
10.5-Incompatible materials: Keep away from organic substances, metals (nickel, copper, iron, tin, manganese), acids.  
10.6-Hazardous decomposition products: Contact with acids liberates chlorine gas which is toxic and corrosive gas.Bölüm

**Part 11. Toxicological Information**

Acute toxicity: Based on toxicological classification, LD50 (oral) value is 200-2000 mg / kg.  
Mutagenic effect: No known mutagenic effect or serious hazards.  
Carcinogenic Effects: The product is not regarded as a carcinogen by the international cancer research agency or by the health and safety management of the American national toxicology program.

**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**

Please dilute or neutralize the product to the sewer, otherwise do not give it to any water sources or sewers. Otherwise, the product that enters the sewer system or the water channels may increase the pH of the medium too much, which will damage the aquatic organisms.  
Ensure that the waste of the product or its packaging is disposed of in accordance with applicable regulations and regulations.  
Take care not to interfere with wastes containing substances that are not likely to react. Neutralize the caustic solution with hydrochloric acid after treatment with a reducing agent such as sodium sulfite (make sure there are no residues of chlorine).  
Use the product in accordance with the instructions for use.



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##### Part 14. Transport Information

Land Transport (ADR / RID): Class: 8 Abrasive materials, UN-No: 1719, packing group: 2

COSTIC ALKALI LIQUID, N.O.S \* (Sodium hydroxide, hypochlorite)

Sea Transportation (IMDG): Class: 8 Abrasive materials, UN-No: 1719, packing group: 2, EMS No: F-A, S-B

COSTIC ALKALI LIQUID, N.O.S \* (Sodium hydroxide, hypochlorite)

Air Transport (\_CAO S T\_ and \_ATA İ DGR): Class: 8 Abrasive materials, UN-No: 1719, packing group: 2,

COSTIC ALKALI LIQUID, N.O.S \* (Sodium hydroxide, hypochlorite)

\* Unless otherwise specified.

Transport Additional Information: The transport regulations contain special provisions for hazardous substances in certain classes packaged in limited quantities.

##### Part 15. Regulatory Information

The Regulation on the Classification, Labeling and Packaging of Dangerous Goods published in the Official Gazette dated 11.12.2013 and numbered 28848 has been prepared in accordance with the Regulation on the Safety Data Sheets of Hazardous Substances and Mixtures published in the Official Gazette dated 13.12.2014 and numbered 29204.

##### Part 16. Other Information

GHS05



Dangerous

GHS09



Toxic to aquatic organisms

Warning Phrase: Danger  
symbol sign:

Hazard statements:

H314: Causes severe skin burns and eye damage.

Aquatic Acute 1

H400: Very toxic to aquatic life.

EUIH031: Contact with acids liberates toxic gas.

Information Resources:

- Regulation on the Classification, Labeling and Packaging of Substances and Mixtures Published in the Official Gazette No: 28848 dated 11.12.2013
- Regulation on Safety Data Sheets of Hazardous Substances and Mixtures published in the Official Gazette No. 29204 dated December 13, 2014
- CLP Regulation (EC) No. 1272/2008 of the European Parliament and of the Council; on the Classification of Substances and Mixtures.

Except as provided in the above-mentioned laws and regulations in this document, the company does not guarantee any situation that may arise as a result of the product taking place in a different application than the purpose of use and the company is not responsible for these results.

It does not warrant that it is in conformity with any other country, state or regional law regarding the use or sale of the Product. It should be assessed separately according to the laws and regulations of the country, state or regions.

The Company shall not be liable for any damage caused by the buyer or any direct damages caused by third parties when the information and conditions provided in this safety data sheet are not adhered to.

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