

<b>BIOLAB</b>	<b>WC CLEANER</b>	<b>Issuing Date</b>	<b>10.03.2022</b>
	SAFETY DATA SHEET	<b>Revision No</b>	<b>01</b>
	according to Regulation (EC) No.1907/2006	<b>Revision Date</b>	<b>01.06.2022</b>
	- PL (Commission Regulation (EU) 2020/878)	<b>Page Number</b>	<b>1/12</b>

**Section: 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**Product identifier**

Product name : WC CLEANER

Use of the Substance/Mixture : Sanitary cleaner

Substance type: : Mixture

**For professional users only.**

Product dilution information : No dilution information provided.

**Relevant identified uses of the substance or mixture and uses advised against**

Identified uses : Sanitary cleaner. Manual process

Recommended restrictions on use : Reserved for industrial and professional use.

**Details of the supplier of the safety data sheet**

Company : **Al Rayes Laundry Equipment & Accessories W.L.L P.O.**  
**Box: 3312, Doha, Qatar**  
**T: +974 44510993**  
**E:secy1@arle-qa.com**  
**W: www.arle-qa.com**  
SDS prepared by : ENB KİMYA SAN. TİC. LTD. ŞTİ.  
[kalite@entem.com.tr](mailto:kalite@entem.com.tr)

**Emergency telephone number**

Poison Information Centre telephone number : 114 Ulusal Zehir Danışma Merkezi (UZEM)

**Section: 2. HAZARDS IDENTIFICATION**

**Classification of the substance or mixture**

**Classification (T.R. SEA No 28848)**

Skin corrosion, Category 1A	H314
Corrosive to metals, Category 1	H290
Specific target organ toxicity - single exposure, Category 3, Respiratory system	H335

## SAFETY DATA SHEET

according to Regulation (EC) No.1907/2006 - PL (Commission Regulation (EU) 2020/878)

### WC CLEANER

#### Label elements

**Labelling (T.R. SEA No 28848)**

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H314 Causes severe skin burns and eye damage.  
 H335 May cause respiratory irritation.  
 H290 May be corrosive to metals

Precautionary Statements : Prevention:  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 Response:  
 P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
 P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.  
 P337+P313: If eye irritation persists: Get medical advice/attention.  
 P405: Store locked up.

Hazardous components which must be listed on the label:  
 hydrochloric acid

#### Other hazards

Do not mix with bleach or other chlorinated products – will cause chlorine gas.

<b>Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS</b>
---

#### 3.2 Mixtures

##### Hazardous components

Chemical Name	CAS-No. EC-No.	Classification (T.R. SEA No 28848)	Concentration: [%]
hydrochloric acid	7647-01-0 231-595-7	Nota B Skin corrosion category1B;H314 Corrosive to Metals, category 1 H290 Serious eye damage Category 1; H318 Specific target organ toxicity – single exposure Category 3; H335	15 – 30

## WC CLEANER

For the full text of the H-Statements mentioned in this Section, see Section 16.

### Section: 4. FIRST AID MEASURES

#### Description of first aid measures

- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
- In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
- If swallowed : Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
- If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

#### Most important symptoms and effects, both acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

#### Indication of immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.

### Section: 5. FIREFIGHTING MEASURES

#### Extinguishing media

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : None known.

#### Special hazards arising from the substance or mixture

- Specific hazards during firefighting : Not flammable or combustible.
- Hazardous combustion products : Decomposition products may include the following materials:  
Carbon oxides  
nitrogen oxides (NOx)  
Hydrogen chloride

#### Advice for firefighters

- Special protective equipment for firefighters : Use personal protective equipment.
- Further information : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

**WC CLEANER**

**Section: 6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

- Advice for non-emergency personnel : Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
- Advice for emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.

**Environmental precautions**

- Environmental precautions : Do not allow contact with soil, surface or ground water.

**Methods and materials for containment and cleaning up**

- Methods for cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

**Reference to other sections**

- See Section 1 for emergency contact information.
- For personal protection see section 8.
- See Section 13 for additional waste treatment information.

**Section: 7. HANDLING AND STORAGE**

**Precautions for safe handling**

- Advice on safe handling : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapours/spray. Use only with adequate ventilation. Wash hands thoroughly after handling. Do not mix with bleach or other chlorinated products – will cause chlorine gas.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

**Conditions for safe storage, including any incompatibilities**

- Requirements for storage areas and containers : Keep away from strong bases. Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.
- Storage temperature : 0 °C to 40 °C

**WC CLEANER**

**Specific end uses**

Specific use(s) : Sanitary cleaner. Manual process

**Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**DNEL**

hydrochloric acid	:	End Use: Workers Exposure routes: Inhalation Potential health effects: Short-term - local Value: 15 mg/m3  End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term local effects Value: 8 mg/m3
-------------------	---	--

**PNEC**

hydrochloric acid	:	Fresh water Value: 0.036 mg/l  Marine water Value: 0.036 mg/l  Intermittent use/release Value: 0.045 mg/l  Sewage treatment plant Value: 0.036 mg/l
-------------------	---	---

**Exposure controls**

**Appropriate engineering controls**

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

**Individual protection measures**

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Eye/face protection (EN 166) : Safety goggles  
Face-shield

SAFETY DATA SHEET according to Regulation (EC) No.1907/2006 - PL  
(Commission Regulation (EU) 2020/878)

**WC CLEANER**

- Hand protection (EN 374) : Recommended preventive skin protection  
Gloves  
Nitrile rubber  
butyl-rubber  
Breakthrough time: 1 – 4 hours  
Minimum thickness for butyl-rubber 0.7 mm for nitrile rubber 0.4 mm or equivalent (please refer to the gloves manufacturer/distributor for advise).  
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
- Skin and body protection (EN 14605) : Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing
- Respiratory protection (EN 143, 14387) : When respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization, consider the use of certified respiratory protection equipment meeting EU requirements (89/656/EEC, (EU) 2016/425), or equivalent, with filter type:

**Environmental exposure controls**

- General advice : Consider the provision of containment around storage vessels.

**Section: 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

- Appearance : liquid
- Colour : green
- Odour : pungent
- pH : 1.0-3.0, 1%
- Flash point : Not applicable.
- Odour Threshold : Not applicable and/or not determined for the mixture
- Melting point/freezing point : Not applicable and/or not determined for the mixture
- Initial boiling point and boiling range : Not applicable and/or not determined for the mixture
- Evaporation rate : Not applicable and/or not determined for the mixture
- Flammability (solid, gas) : Not applicable and/or not determined for the mixture
- Upper explosion limit : Not applicable and/or not determined for the mixture
- Lower explosion limit : Not applicable and/or not determined for the mixture
- Vapour pressure : Not applicable and/or not determined for the mixture
- Relative vapour density : Not applicable and/or not determined for the mixture
- Relative density : Not applicable and/or not determined for the mixture
- Water solubility : Not applicable and/or not determined for the mixture
- Solubility in other solvents : Not applicable and/or not determined for the mixture
- Partition coefficient: n-octanol/water : Not applicable and/or not determined for the mixture

## WC CLEANER

Auto-ignition temperature	: Not applicable and/or not determined for the mixture
Thermal decomposition	: Not applicable and/or not determined for the mixture
Viscosity, kinematic	: Not applicable and/or not determined for the mixture
Explosive properties	: Not applicable and/or not determined for the mixture
Oxidizing properties	: The substance or mixture is not classified as oxidizing.

### Other information

Not applicable and/or not determined for the mixture

## Section: 10. STABILITY AND REACTIVITY

### Reactivity

No dangerous reaction known under conditions of normal use.

### Chemical stability

Stable under normal conditions.

### Possibility of hazardous reactions

Do not mix with bleach or other chlorinated products – will cause chlorine gas.

### Conditions to avoid

None known.

### Incompatible materials

Chlorine-based bleaching agents  
Bases  
Metals

### Hazardous decomposition products

Decomposition products may include the following materials:  
Carbon oxides  
nitrogen oxides (NO<sub>x</sub>)  
Hydrogen chloride

## Section: 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

#### Product

Acute oral toxicity : Acute toxicity estimate : > 2,000 mg/kg

Acute inhalation toxicity : There is no data available for this product.

SAFETY DATA SHEET according to Regulation (EC) No.1907/2006 - PL  
(Commission Regulation (EU) 2020/878)

**WC CLEANER**

Acute dermal toxicity	: There is no data available for this product.
Skin corrosion/irritation	: There is no data available for this product.
Serious eye damage/eye irritation	: There is no data available for this product.
Respiratory or skin sensitization	: There is no data available for this product.
Carcinogenicity	: There is no data available for this product.
Reproductive effects	: There is no data available for this product.
Germ cell mutagenicity	: There is no data available for this product.
Teratogenicity	: There is no data available for this product.
STOT - single exposure	: There is no data available for this product.
STOT - repeated exposure	: There is no data available for this product.
Aspiration toxicity	: There is no data available for this product.

**Components**

Acute inhalation toxicity	: hydrochloric acid 4 h LC50 rat: 3789 ppm Test atmosphere: gas
---------------------------	---

**Potential Health Effects**

Eyes	: Causes serious eye damage.
Skin	: Causes severe skin burns.
Ingestion	: Causes digestive tract burns.
Inhalation	: May cause respiratory tract irritation. May cause nose, throat, and lung irritation.
Chronic Exposure	: Health injuries are not known or expected under normal use.

**Experience with human exposure**

Eye contact	: Redness, Pain, Corrosion
Skin contact	: Redness, Pain, Corrosion
Ingestion	: Corrosion, Abdominal pain
Inhalation	: Respiratory irritation, Cough



## WC CLEANER

### Section: 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

Environmental Effects : Harmful to aquatic life with long lasting effects.

#### Product

Toxicity to fish : no data available

Toxicity to daphnia and other aquatic invertebrates : no data available

Toxicity to algae : no data available

#### Persistence and degradability

#### Product

Biodegradability : The surfactants contained in the product are biodegradable according to the requirements of the detergent regulation 648/2004/EC

#### Components

Biodegradability : hydrochloric acid  
Result: Not applicable - inorganic

#### Bioaccumulative potential

no data available

#### Mobility in soil

no data available

#### Results of PBT and vPvB assessment

#### Product

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### Other adverse effects

no data available

### Section: 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with the European Directives on waste and hazardous waste. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

#### 13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in

## WC CLEANER

compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Contaminated packaging : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

Guidance for Waste Code selection : Inorganic wastes containing dangerous substances. If this product is used in any further processes, the final user must redefine and assign the most appropriate European Waste Catalogue Code. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable European (EU Directive 2008/98/EC) and local regulations.

### Section: 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

#### Land transport (ADR/ADN/RID)

14.1 UN number : Not dangerous goods  
14.2 UN proper shipping name : Not dangerous goods  
14.3 Transport hazard class(es) : Not dangerous goods  
14.4 Packing group : Not dangerous goods  
14.5 Environmental hazards : Not dangerous goods  
14.6 Special precautions for user : Not dangerous goods

#### Air transport (IATA)

14.1 UN number : Not dangerous goods  
14.2 UN proper shipping name : Not dangerous goods  
14.3 Transport hazard class(es) : Not dangerous goods  
14.4 Packing group : Not dangerous goods  
14.5 Environmental hazards : Not dangerous goods  
14.6 Special precautions for user : Not dangerous goods

#### Sea transport (IMDG/IMO)

14.1 UN number : Not dangerous goods  
14.2 UN proper shipping name : Not dangerous goods  
14.3 Transport hazard class(es) : Not dangerous goods  
14.4 Packing group : Not dangerous goods  
14.5 Environmental hazards : Not dangerous goods

## WC CLEANER

- 14.6 Special precautions for user : Not dangerous goods
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not dangerous goods

### Section: 15. REGULATORY INFORMATION

#### Safety, health and environmental regulations/legislation specific for the substance or mixture

according to Detergents Regulation EC 648/2004 : less than 5 %: Cationic surfactants, Non-ionic surfactants

#### National Regulations

Take note of Dir 94/33/EC on the protection of young people at work.

Other regulations : According to 11 December 2013, Numbered 28848 (Bis), "Ministry of Environment and Forestry"; Regulation on Classification, Labelling and Packaging of Substances and Mixtures. According to 13 Dec 2014, Numbered 29204, "Ministry of Environment and Urbanization"; Regulation on Safety Data Sheets regarding Dangerous Substances and Mixtures, according to Regulation (EC) No.1907/2006 - PL (Commission Regulation (EU) 2020/878)

#### Chemical Safety Assessment

No Chemical Safety Assessment has been carried out on the product.

### Section: 16. OTHER INFORMATION

#### Full text of H-Statements

H290 Corrosive to metal  
H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.

#### Full text of other abbreviations

ADN – European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS – Australian Inventory of Chemical Substances; ASTM – American Society for the Testing of Materials; bw – Body weight; CLP – Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR – Carcinogen, Mutagen or Reproductive Toxicant; DIN – Standard of the German Institute for Standardisation; DSL – Domestic Substances List (Canada); ECHA – European Chemicals Agency; EC-Number – European Community number; ECx – Concentration associated with x% response; ELx – Loading rate associated with x% response; EmS – Emergency Schedule; ENCS – Existing and New Chemical Substances (Japan); ErCx – Concentration associated with x% growth rate response; GHS – Globally Harmonized System; GLP – Good Laboratory Practice; IARC – International Agency for Research on Cancer; IATA – International Air Transport Association; IBC – International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in

SAFETY DATA SHEET according to Regulation (EC) No.1907/2006 - PL  
(Commission Regulation (EU) 2020/878)

**WC CLEANER**

Bulk; IC50 – Half maximal inhibitory concentration; ICAO – International Civil Aviation Organization; IECSC – Inventory of Existing Chemical Substances in China; IMDG – International Maritime Dangerous Goods; IMO – International Maritime Organization; ISHL – Industrial Safety and Health Law (Japan); ISO – International Organisation for Standardization; KECI – Korea Existing Chemicals Inventory; LC50 – Lethal Concentration to 50 % of a test population; LD50 – Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL – International Convention for the Prevention of Pollution from Ships; n.o.s. – Not Otherwise Specified; NO(A)EC – No Observed (Adverse) Effect Concentration; NO(A)EL – No Observed (Adverse) Effect Level; NOELR – No Observable Effect Loading Rate; NZIoC – New Zealand Inventory of Chemicals; OECD – Organization for Economic Co-operation and Development; OPPTS – Office of Chemical Safety and Pollution Prevention; PBT – Persistent, Bioaccumulative and Toxic substance; PICCS – Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR – (Quantitative) Structure Activity Relationship; REACH – Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID – Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT – Self-Accelerating Decomposition Temperature; SDS – Safety Data Sheet; TCSI – Taiwan Chemical Substance Inventory; TRGS – Technical Rule for Hazardous Substances; TSCA – Toxic Substances Control Act (United States); UN – United Nations; vPvB – Very Persistent and Very Bioaccumulative

Prepared by :

Name, Surname: Müyesser Ebret

Certificate number:TÜV/01.266.06

Certificate date: 25.02.2022

Contact: [kalite@entem.com.tr](mailto:kalite@entem.com.tr)

Numbers quoted in the MSDS are given in the format: 1,000,000 = 1 million and 1,000 = 1 thousand. 0.1 = 1 tenth and 0.001 = 1 thousandth

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.