

<p>1. Product Identification</p> <p>Product Code: 12000.003</p> <p>Product Description: AQUA X® (Total Water Hardness Test Kit)</p>	<p>Manufactured By:</p> <p>COLORKIM KIMYA SAN. LTD. STI. ISTANBUL / TURKEY +90 530 100 88 98</p>
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SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Catalogue No. : 12000.003
 Product Name : **Total Water Hardness Test Kit:** Titrimetric with dropping to tube - **AQUA X®**
 REACH Registration No. : This product is a mixture. REACH Registration Number see Section 3.

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

Identified uses : Reagent for analysis
 For additional information on uses please refer to the Colorkim web site:
 (www.colorkim.com)

1.3 Details of the supplier of the safety data sheet

Company : Colorkim – ISTANBUL/Turkey, Phone: +90 530 100 8898
 Responsible Department : info@colorkim.com

1.4 Emergency telephone : Please contact the regional company representation in your country.

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

This mixture is not classified as dangerous according to European Union legislation.

2.2 Label Elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.3 Other hazards : None known

SECTION 3. Composition/information on ingredients

3.1 Chemical Structure : Mixture of organic compounds

3.2 Substance : Not applicable

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

3.4 Remarks : No disclosure requirement according to Regulation (EC) No. 1907/2006s

SECTION 4. First aid measures

4.1 Description of first aid measures:

After inhalation : Fresh Air
After skin contact : Wash off with plenty of water. Remove contaminated clothing
After eye contact : Rinse out with plenty of water
After swallowing : Make victim drink water (two glasses at most). Consult doctor if feeling unwell.

4.2 Most important symptoms and effects, both acute and delayed

Cough, pain, Dizziness, Unconsciousness, Diarrhoea, Nausea, Vomiting, collapse, Tiredness

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Water, Carbon dioxide (CO2), Foam, Dry powder

Unsuitable extinguishing media : For this substance/mixture no limit of extinguishing agents is given.

5.2 Special hazards arising from the substance or mixture

Combustible.

Vapors are heavier than air and may spread along floors.

Forms explosive mixtures with air on intense heating.

Development of hazardous combustion gases or vapors possible in the event of fire.

Fire may cause evolution of "nitrogen oxides"

5.3 Advice for firefighters

Special protective equipment for firefighters

In the event of fire, wear self-contained breathing apparatus.

Further information

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency : Do not breathe vapors, aerosols. Evacuate the danger area, observe personnel emergency procedures, consult an expert.

Advice for emergency : Protective equipment see section 8.

responders

6.2 Environmental precautions : Do not empty into drains.

6.3 Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills.

Observe possible material restrictions (see sections 7 and 10).

Take up with liquid-absorbent material (e.g. Chemizorb®). Dispose of properly. Clean up affected area.

SECTION 7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Observe label precautions.

Hygiene measures : Change contaminated clothing. Wash hands after working with substance.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions : Tightly closed.

: Store at +15°C to +25°C (The data applies to the entire pack)

7.3 Specific end use (s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8. Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

Engineering measures : Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.
See section 7.1.

Individual protection measures : Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

Eye/face protection : Safety glasses

Hand protection

: **Full contact:**

Glove material : natural latex

Glove thickness : 0,6 mm

Break through time : > 480 min

: **Splash contact:**

Glove material : nitrile rubber

Glove thickness : 0,11 mm

Break through time : > 60 min

The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374, for example KCL 706 Lapren® (full contact), KCL 741 Dermatril® L (splash contact). This recommendation applies only to the product stated in the safety data sheet (>,<)> supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Respiratory protection : Required when vapors/aerosols are generated. Recommended Filter type: Filter A-(P2). The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Environmental exposure controls : Do not empty into drains.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form : Liquid
Color : Dark Green
Odor : Characteristic
Odor Threshold : No information available
pH : No information available
Melting point : No information available
Boiling point : No information available
Flash point : 190 °C, Method: c.c., (Information refers to the main component).
Evaporation rate : No information available
Flammability (solid, gas) : No information available
Lower explosion limit : No information available
Upper explosion limit : No information available
Vapor pressure : No information available
Relative vapor density : No information available
Relative density : ca.1,13 g/cm³ at 20 °C
Water solubility : at 20 °C soluble
Partition coefficient:
n- octanol/water : No information available
Auto-ignition temperature : No information available
Decomposition temperature : No information available
Viscosity, dynamic : No information available
Explosive properties : No information available
Oxidizing properties : None

9.2 Other data : None

SECTION 10. Stability and reactivity

10.1 Reactivity

Forms explosive mixtures with air on intense heating.
A range from approx. 15 Kelvin below the flash point is to be rated as critical.

10.2 Chemical stability : Sensitive to air.

10.3 Possibility of hazardous reactions

Caution! In contact with nitrites, nitrates, nitrous acid possible liberation of nitosamines!

Exothermic reaction with : anhydrides, halogenating agents, Nitriles, Oxidizing agents, acids

A risk of explosion and/or of toxic gas formation exists with the following substances:

Acid chlorides

10.4 Conditions to avoid

Strong heating

10.5 Incompatible materials

Non-ferrous metals, Light Metals

10.6 Hazardous decomposition products

In the event of fire: See section 5.

SECTION 11. Toxicological information

11.1 Information on toxicological effects

Mixture

Acute oral toxicity

Absorption

Acute inhalation toxicity

Symptoms: Cough

Acute dermal toxicity

This information is not available.

Skin irritation

This information is not available.

Eye irritation

This information is not available.

Sensitisation

This information is not available.

Germ cell mutagenicity

This information is not available.

Carcinogenicity

This information is not available.

Reproductive toxicity

This information is not available.

Teratogenicity

This information is not available.

Specific target organ toxicity - single exposure

This information is not available.

Specific target organ toxicity - repeated exposure

This information is not available.

Aspiration hazard

This information is not available.

11.2 Further information

Systemic effects

: **After uptake of large quantities:**

Nausea, Vomiting, Diarrhoea, Dizziness, Tiredness, collapse, Unconsciousness, pain

: **After long-term exposure to the chemical:**

Damage to: Liver, Kidney

Under given conditions, contact with nitrites or nitric acid can lead to the formation of nitrosamines, which have shown themselves to be carcinogenic in animal experiments. However, when the product is handled appropriately, hazardous effects are unlikely to occur. Handle in accordance with good industrial hygiene and safety practice.

SECTION 12. Ecological information**Mixture**

- | | |
|--|---|
| 12.1 Toxicity | : No information available. |
| 12.2 Persistence and degradability | : No information available. |
| 12.3 Bio accumulative potential | : No information available. |
| 12.4 Mobility in soil | : No information available. |
| 12.5 Results of PBT and vPvB assessment | : PBT/vPvB assessment not available as chemical safety assessment not required/not conducted. |
| 12.6 Other adverse effects | : Discharge into the environment must be avoided. |

SECTION 13. Disposal considerations**Waste treatment methods**

: See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

SECTION 14. Transport information

Land transport (ADR/RID) : Not classified as dangerous in the meaning of transport regulations.

14.1 – 14.6

Inland waterway transport : Not relevant

(ADN)

Air transport (IATA) : Not classified as dangerous in the meaning of transport regulations.

14.1 – 14.6

Sea transport (IMDG) : Not classified as dangerous in the meaning of transport regulations.

14.1 – 14.6

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

THIS TRANSPORT DATA APPLIES TO THE ENTIRE PACK!

SECTION 15. Regulatory information

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

EU regulations

Major Accident Hazard	: 96/82/EC
Legislation	: Directive 96/82/EC does not apply
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	: not regulated
Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC	: not regulated
Regulation (EC) No 689/2008 concerning the export and import of dangerous chemicals	: not regulated
Substances of very high concern (SVHC)	: This product does not contain substances of very high concern above the respective regulatory limit (> 0.1 % (w/w) Regulation (EC) No 1907/2006 (REACH), Article 57).

National legislation

Storage class : 10 – 13

The data applies to the entire pack.

15.2 Chemical Safety Assessment

For this product, a chemical safety assessment was not carried out.

SECTION 16. Other information

Training advice

Provide adequate information, instruction and training for operators.

Labelling (67/548/EEC or 1999/45/EC)

The product does not need to be labelled in accordance with EC directives or respective national laws.

Key or legend to abbreviations and acronyms used in the safety data sheet.

Used abbreviations and acronyms can be looked up at www.wikipedia.org.

Regional representation

This information is given on the authorized Safety Data Sheet for your country.

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of any properties of the product.