

User Guide - Alkalinity Water Test Kit

Be sure to remember

1. Make sure the vial is clean or wash the test vial properly before the test.
2. To get maximum accuracy always place the test sample vial against white background.
3. Test the samples immediately after collecting it from the source.

Note: DO NOT hold finger over the open end of the tube, as this may affect the test results. Wait 5 minutes for the colour to develop. See the test results by matching the test solution against the **Alkalinity Test Colour Chart**.

Directions for Testing Alkalinity Levels

1. Take 4ML water in vial
2. Add 2 drops Alkalinity Reagent 1
3. Titrate with Alkalinity Reagent 2
4. Dropwise until colour change
5. Shake the Vial vigorously
6. Result = (No. of drops X 12) PPM
7. Match the vial colour only from provided TRM Alkalinity Colour Card

Material Safety Data Sheet (MSDS) - Alkalinity

SECTION 1: Identification of the substance/mixture and of the manufacturer

Product name: Alkalinity Water Test Kit

Manufacturer/Supplier Article number:

TRM001ALWTK

Recommended uses of the product and uses restrictions on use:

Manufacturer Details: TRM Aquatek Private Limited., Golf Green Urban Complex, Phase II, Kolkata, W.B, India - 700095.

Emergency telephone number: +91 8910707010

SECTION 2: Composition/information on ingredients:

Sulfuric Acid 0.1N, Methyl Orange.

SECTION 3: Physical Appearance:

Odourless

Odour Threshold No information available pH No

information available Flash Point No information

available Evaporation Rate Not applicable

Flammability (solid, gas) No information available

Flammability or explosive limits Upper No data

available Lower No data available Vapor Pressure

No information available Vapor Density Not

applicable Specific Gravity No information

available Solubility Soluble in water Partition

coefficient; n-octanol/water No data available Auto

ignition Decomposition Temperature No

information available Viscosity Not applicable.

SECTION 4: Hazards identification

Signal word: Danger

Hazard statements:

Causes severe skin burns and eye damage

May cause respiratory irritation

Very toxic to aquatic life

Precautionary statements:

If medical advice is needed, have product

container or label at hand

Keep out of reach of children

Read User Manual before use

Do not breathe dust/fume/gas/mist/vapours/spray

Avoid release to the environment

Wear protective gloves/protective clothing/eye

protection/face protection

Use personal protective equipment as required

Do not eat, drink or smoke when using this

product

Wash skin thoroughly after handling the kit

IF INHALED: Remove victim to fresh air and keep

at rest in a position comfortable for breathing

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/ HOSPITAL or doctor/physician

IF ON SKIN (or hair): Remove/Take off

immediately all contaminated clothing. Rinse skin

with water/shower

IF SWALLOWED: Rinse mouth. Do NOT induce

vomiting

Collect spillage

Take specific treatment (see supplemental first aid

instructions on this label/user guide)

Wash contaminated clothing before reuse

Store locked up

Store in a dry place

Store in a well-ventilated place. Keep container

tightly closed

Combustible Dust Hazard:

May form combustible dust concentrations in air

(during processing).

SECTION 5: First aid measures and Description

of first aid measures

After inhalation: Move exposed individual to

fresh air. Loosen clothing as necessary and

position individual in a comfortable position. Seek

medical advice if discomfort or irritation persists. If

breathing difficult, give oxygen.

After skin contact: Wash affected area with soap

and water. Rinse/flush exposed skin gently using

water for 15-20 minutes. Seek medical advice if

discomfort or irritation persists.

After eye contact: Protect unexposed eye.

Rinse/flush exposed eye(s) gently using water for

15-20 minutes. Remove contact lens(es) if able to

do so during rinsing. Seek medical attention if

irritation persists or if concerned.

After swallowing: Rinse mouth thoroughly. Do

not induce vomiting. Have exposed individual drink

sip of water. Seek medical attention if irritation,

discomfort or vomiting persists.

Most important symptoms and effects, both

acute and delayed:

Irritation, Nausea, Headache, Shortness of breath;

Indication of any immediate medical attention

and special treatment needed:

If seeking medical attention, provide SDS

document to physician.

SECTION 6: Firefighting measures

Extinguishing media

Suitable extinguishing agents: If in laboratory

setting, follow laboratory fire suppression

procedures. Use appropriate fire suppression

agents for adjacent combustible materials or

sources of ignition

For safety reasons unsuitable extinguishing

agents: Special hazards arising from the

substance or mixture:

Combustion products may include carbon oxides

or other toxic vapors. Thermal decomposition can

lead to release of irritating gases and vapors. Avoid

generating dust; fine dust dispersed in air in

sufficient concentrations and in the presence of an

ignition source is a potential dust explosion

hazard.

Advice for firefighters:

Protective equipment: Use NIOSH-approved

respiratory protection/breathing apparatus.

Additional information (precautions): Move

product containers away from fire or keep cool

with water spray as a protective measure, where

feasible. Use spark-proof tools and explosion-

proof equipment.

SECTION 7: Accidental release measures

Personal precautions, protective equipment

and emergency procedures:

Wear protective equipment. Transfer to a disposal

or recovery container. Use spark-proof tools and

explosion- proof equipment. Use respiratory

protective device against the effects of

fumes/dust/aerosol. Keep unprotected persons

away. Ensure adequate ventilation. Keep away

from ignition sources. Protect from heat. Stop the

spill, if possible. Contain spilled material by diking

or using inert absorbent.

Environmental precautions:

Prevent from reaching drains, sewer or waterway.

Collect contaminated soil for characterization

Methods and material for containment and

cleaning up:

If in a laboratory setting, follow Chemical Hygiene

Plan procedures. Place into properly labelled

containers for recovery or disposal. If necessary,

use trained response staff/contractor. Dust

deposits should not be allowed to accumulate on

surfaces, as these may form an explosive mixture

if they are released into the atmosphere in

sufficient concentration. Avoid dispersal of dust in

the air (i.e., clearing dust surfaces with compressed

air).

Collect solids in powder form using vacuum with

(HEPA filter)

Reference to other sections:

SECTION 8: Handling and storage

Precautions for safe handling:

Wash hands after handling. Follow good hygiene

procedures when handling chemical materials. Do

not eat, drink, smoke, or use personal products

when handling chemical substances. If in a

laboratory setting, follow Chemical Hygiene Plan.

Use only in well-ventilated areas. Avoid contact

with eyes, skin, and clothing.

Conditions for safe storage, including any

incompatibilities:

Provide ventilation for containers. Avoid storage

near extreme heat, ignition sources or open flame.

Store away from foodstuffs. Store away from

oxidizing agents. Store in cool, dry conditions in

well-sealed containers. Store with like hazards.

SECTION 9: Exposure controls/personal

protection



Manufactured by:

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STORE AT 15-20 0 C IN DRY AND DARK PLACE

TRM AQUATEK is not responsible for unexpected result due to mishandling or wrong storage conditions.

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