

Material Safety Data Sheet

Date of preparation 2020/04/30

1. Product and company identification

Product name

Rapid enzymatic test for a semi-quantitative determination of total hardness, pH, nitrites, nitrates and chlorine in water.

KIT3063 / KIT3064

HYGIENA

Application of the substance / preparation.
For in vitro diagnostic use (OTC).

2. Composition/information on ingredients

Component	Number	Classification	Number Chemical Abstracts (CAS)	EC EEC
Aluminium foil			7429-90-5	231-072-3
Cellulose membrane			9004-34-6	232-674-9
Sulphanilic acid	Trace amounts		121-32-7	204-482-5
1-naphtylamine	Trace amounts		134-32-7	-
Thymol blue	Trace amounts		76-61-9	200-973-3
Eriochrome black	Trace amounts		1787-61-7	-
Tetramethylbenzidine	Trace amounts		54827-17-7	259-364-6

3. Hazard Identification

This product is not dangerous according to EU criteria.

4. Potential Environmental Effects. First aid measures

Eye Contact: Rinse eyes with water for several minutes. Remove contact lenses after the first 1-2 min. And continue to wash a few more minutes. If you have any effects, consult a physician, best of all - with an ophthalmologist.

Skin Contact: no hazard.

Inhalation: not applicable.

Ingestion: If swallowed, seek medical help. Do not induce vomiting without the advice of medical personnel.
Notes to Physician: No specific antidote. Supportive treatment. Treatment is based on the doctor's decision, taking into account the patient's response.

5. Fire fighting measures

Not applicable. The test strip is non-combustible.

Hazardous combustion products.: In case of fire, some components of this product may decompose. The smoke may contain unidentified toxic and / or irritating compounds. Combustion products may include and not limited to: Carbon dioxide. Carbon monoxide. Thick smoke. Organic compounds.

6. Activities to be carried out at random substance spill

Necessary measures in case of leakage or spilling of substance: NA (the product is not a liquid)

Personal Precautions: No protective equipment is required. More information is contained in Section 8, "Control of impact protection" and "Personal Protection".

Environmental precautions.: no environmental danger. See Section 12, Ecological Information.

7. Handling and Storage

Treatment

General recommendations for handling: do not touch the reaction membrane when opened.

Storage

Store at +2 - +25 C. Cases of harmful effects during storage were not observed

8. Preventing the risk of exposure and personal protection

Maximum permissible exposure levels

None.

Individual protection

Eye protection: to avoid incidental mechanical injury of eyes with a test strip, safety glasses may be used. Protective goggles must comply with Directive 89/686/EEC (category 2).

Skin protection: no harm.

Hand protection: no harm.

Respiratory protection: not applicable.

Swallowing: Carefully follow the requirements of personal hygiene. Wash hands before smoking or eating.

Engineering Controls

Ventilation: not applicable.

9. PHYSICAL AND CHEMICAL PROPERTIES.

Physical state

Solid

white

:

No characteristic odor

Flash point in closed crucible

120 C

Flammability limits in air	Low: No applicable test data available
	High: No applicable test data available
Self-ignition temperature	Not applicable
Vapor pressure	Not applicable
Boiling Point (760 mmHg)	Not applicable
Vapor density (air density = 1)	Not applicable
Relative density (water density = 1)	Not applicable
Freezing point	Not applicable
Melting temperature	Not applicable
Solubility in water (by weight)	Not applicable
pH	Not applicable

10. STABILITY AND REACTIVITY

Stability / Instability
Stable.

Incompatible substances: addition of chemicals such as acids or alkali may lead to coagulation.

Dangers in the polymerization
Hazards in the polymerization is not expected.

Thermal expansion
Hazardous decomposition products depend upon temperature, air supply and the presence of other materials.

11. Toxicological Information

Eyes: NA
Inhalation: NA
Ingestion: Non-toxic
For these products the average lethal dose (LD50), in rats > 8290 MG/KG
Eye Contact
incidental contact with a test strip may induce slight transient mechanical irritation. Corneal damage is unlikely.
Skin Contact
Both short-term and prolonged single exposure is unlikely to cause detectable irritation of the skin.
Absorption into the skin
Not applicable.

12. Environmental information

Metabolic pathway: No metabolism of cellulose is expected.

Movement and division
Cellulose is excreted with no metabolism and accumulation in the organism.

Persistence and Degradability
Cellulose is quickly degradable in natural environment.

ECOTOXICITY
No ecotoxicity was ever reported.

13. TERMS OF RECYCLING

Any forms of waste management must meet all local and state laws and regulations.

14. Transport Information

ROADS AND RAILWAYS

Not regulated (the Act)

OCEAN

Not regulated (the Act)

AIR

Not regulated (the Act)

WATERWAYS

Not regulated (the Act)

15. Regulatory Information

Classification of the EEC and the information on labels for consumers.

This product is not hazardous according to criteria of the EEC.

No safety instructions are required.

16. Other information

Risk factors are described in Section 3