



TEST KIT | pH & Chlorine indicator

Safety data sheet

in accordance with Regulation (EC) No 1907/2006 (REACH) with its supplementing Regulation (EU) 2020/878
VIB Reference Number: 6593

Date of issue: 16/01/2006 Date of revision: 6/02/2025 Replaces version dated: 2/06/2022 Version: 7.2

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identification

Product form	: Mixture
Product name	: TEST KIT pH & Chlorine indicator
Product code	: 6593/6395
Product group	: Trade product

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

Relevant identified use

Intended for the general public	
Main usage category	: Consumer use
Use of the substance or mixture	: 55/999 Others
Function or category of use	: 55/999 Others

1.3. Details of the supplier of the safety data sheet

Bio Services International NV
Hunters Corner 13
8570 Vichte
Belgium-Belgium
T 00.32.56.77.24.34 Mon-Fri 8am-12pm /1pm-5pm, F 00.32.56.77.24.35
regulatory@bsi-products.com, www.bsi-products.com

1.4. Emergency telephone number

Emergency number	: B 0032.70.245.245//F 0033.(0)383 22 50 50//0033.(0)1.40.05.48.48//N 003130 274 8888.
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, health and environmental effects

As far as is known, this product does not present any specific hazard provided normal industrial hygiene rules are observed.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Safety recommendations (CLP)	: P102 - Keep out of reach of children.
Child-proof closure	: Not applicable
Tactile hazard warning	: Not applicable

2.3. Other hazards

Contains no PBT and/or vPvB substances > 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain any substance included in the list established pursuant to Article 59(1) of REACH for having endocrine disrupting properties, or one or more substances identified as having endocrine disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605, at a concentration greater than or equal to 0.1%.

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identification	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
salts of 4,4'-bi-o-toluidine; salts of 3,3'-dimethylbenzidine; salts of o-tolidine	CAS No: 612-82-8 EC No: 210-322-5 EU Catalogue No: 612-081-00-5	< 0.1	Carc. 1B, H350 Acute Tox. 4 (Oral), H302 Aquatic Chronic 2, H411
Phenol Red, Sodium Salt	CAS No: 34487-61-1	< 0.1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

Full text of H- and EUH-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First aid general	: If you feel unwell, seek medical advice.
First aid after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First aid after skin contact	: Wash skin with plenty of water.
First aid after eye contact	: As a precaution, rinse eyes with water.
First aid after ingestion	: If you feel unwell, call a poison control center or doctor/physician.
First aid measures for first aider	: First aid workers are equipped with appropriate personal protective equipment.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation	: None under normal circumstances.
Symptoms/effects after skin contact	: None under normal circumstances.
Symptoms/effects after eye contact	: None under normal circumstances.
Symptoms/effects after ingestion	: None under normal circumstances.

4.3. Indication of any immediate medical attention and special treatment required

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Fire extinguishing agents

Suitable extinguishing agents	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing agents	: Do not use a strong water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: No fire hazard.
Explosion hazard	: No immediate explosion hazard.
Hazardous decomposition products in case of fire	: Possible formation of toxic fumes.

5.3. Advice for firefighters

Fire instructions	: Fight fire from a safe distance and sheltered area. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Do not take action without suitable protective equipment. Self-contained breathing apparatus. Full protective clothing.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Notify authorities if product enters drains or public waters. Absorb leaked/spilled material to prevent material damage.

For persons other than the emergency services

Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Ventilate contaminated area.

For the emergency services

Protective equipment : Do not intervene without suitable safety measures. For further information see section 8: "Exposure controls/personal protection".
Emergency procedures : Remove unnecessary personnel. Seal the leak if it can be done safely.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For inclusion : Absorb spills with sand or earth. Contain spills with dikes or absorbents to prevent spread and entry into drains or rivers. If possible, stop leak without risk.
Cleaning methods : Absorb spilled liquid with absorbent material.
Other information : Take waste or solid residues to an approved waste disposal facility.

6.4. Reference to other sections

For further information, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling of the substance or mixture

Additional hazards during processing : Not expected to present a significant hazard under normal conditions of use. to take.
Precautions for safe handling of the substance or mixture : Ensure good ventilation of the work area. Wear personal protective equipment. protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling this product.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures : Store in a cool, well-ventilated area away from heat.
Storage conditions : Keep cool. Protect from sunlight.
Packaging material : Always store the product in packaging made of the same material as the original packaging.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

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8.2. Exposure controls

Appropriate technical measures

Appropriate technical measures:

Ensure good ventilation of the workplace.

Personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Symbol(s) for personal protective equipment:



Eye and face protection

Eye protection:

Use eye protection designed to protect against splashes to EN 166. Safety glasses

Protection of the skin

Skin and body protection:

Not applicable

Hand protection:

Protective gloves

Respiratory protection

Respiratory protection:

In case of insufficient ventilation, use suitable respiratory equipment.

Control of environmental exposure

Control of environmental exposure:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical condition	: Liquid
Colour	: Yellow.
Smell	: Odorless.
Odor threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Non-flammable.
Explosive properties	: The product is not explosive.
Lowest Explosive Limit Value	: Not available
Upper explosion limit value	: Not available
Flashpoint	: > 100 °C
Auto-ignition temperature	: Not available
Decomposition	: Not available
	: 7
temperature pH pH concentration of the solution	: 100 %
Viscosity, kinematic	: Not available
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapor pressure	: Not available
Vapor pressure at 50°C	: Not available
Density	: Not available
Relative density	: 1
Relative vapour density at 20°C	: Not available

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Particle characteristics : Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is not reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products will not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified pH: 7
Serious eye damage/eye irritation	: Not classified pH: 7
Respiratory/skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT single exposure	: Not classified

Phenol Red, Sodium Salt (34487-61-1)

STOT single exposure	May cause irritation of the respiratory tract.
STOT - repeated exposure	: Not classified
Danger of inhalation	: Not classified

11.2. Information on other hazards

No additional information available

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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms and has not been no negative impact on the environment in the long term.
Danger to the aquatic environment, (acute) short term	: Not classified
Hazardous to the aquatic environment, (chronic) long term	: Not classified

Phenol Red, Sodium Salt (34487-61-1)

LC50 - Fishing [1]	8.18 mg/l Source: e-Chempotal;HPVIS
EC50 96h - Algae [1]	6,481 mg/l Source: EPI SUITE

12.2. Persistence and degradability

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Persistence and degradability	Quickly degradable
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salts of 4,4'-bi-o-toluidine; salts of 3,3'-dimethylbenzidine; salts of o-tolidine (612-82-8)

Persistence and degradability	Quickly degradable
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Phenol Red, Sodium Salt (34487-61-1)

Persistence and degradability	Quickly degradable
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12.3. Bioaccumulation

No additional information available

12.4. Mobility in soil

Phenol Red, Sodium Salt (34487-61-1)

Mobility in the soil	1232 Source: EPI SUITE
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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste legislation	: Waste disposal in accordance with legal provisions.
Waste treatment methods	: Dispose of contents/packaging in accordance with the sorting instructions of an approved collection company.
Wastewater Disposal Recommendations	: Waste disposal in accordance with legal provisions.
Recommendations for disposal of products/packaging	: Waste disposal in accordance with legal provisions.
Additional information	: Do not reuse empty packaging.

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SECTION 14: Transport information

Compliant with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. Proper shipping name according to the UN model regulations				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packaging group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No additional information available				

14.6. Special precautions for user

Road transport

Not applicable

Transport on the open sea

Not applicable

Air transport

Not applicable

Transport on inland waters

Not applicable

Rail transport

Not applicable

14.7. Bulk maritime transport in accordance with IMO instruments

Not applicable

SECTION 15: Regulations

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

EU regulations

REACH Annex XVII (substances with restricted use)

Does not contain any substance(s) listed in REACH Annex XVII (restriction conditions)

REACH Annex XIV (list of substances subject to authorisation)

Does not contain any substance(s) included in REACH Annex XIV (list of substances subject to authorisation)

REACH Candidate List (SVHC)

Does not contain any substance(s) included in the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains one or more substances included in the PIC list (Regulation EU 649/2012 on the export and import of hazardous chemicals) O-tolidine dihydrochloride (612-82-8)

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POP Regulation (Persistent Organic Pollutants)

Does not contain substances included in the POP list (Regulation EU 2019/1021 on organic pollutants)

Ozone Regulation (2024/590)

Does not contain substances included in the list of ozone depleting substances (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) on the control of dual-use items

Does not contain a substance covered by the COUNCIL REGULATION (EC) on the control of dual-use items

Explosives Precursors Regulation (2019/1148)

Does not contain substances included in the list of explosives precursors (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Regulation on medicinal precursors (273/2004)

Does not contain substances included in the list of precursors for medicines (Regulation EC 273/2004 on the production and placing on the market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:	
ACGIH	American Conference of Industrial Hygienists)
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
ATE	Acute toxicity assessment
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
CAS No.	Chemical Abstract Service - Number
CLP	Classification, Labelling and Packaging Regulation; Regulation (EC) No 1272/2008
COD	Chemical oxygen demand (COD)
CSA	Chemical Safety Assessment
DMEL	Derived Minimal Effect Dose
DNEL	Derived No-Effect Level
EC No.	European Commission Number
EC50	Median effective concentration
HO	Hormone disruptor
AND	European standard
EWC	European Waste List
IARC	International Centre for Cancer Research
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC50	Concentration that causes death in 50% of a test population
LD50	Dose that causes death in 50% of a test population (median lethal dose)
LOAEL	Lowest dose or concentration at which an adverse effect was observed

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Abbreviations and acronyms:	
Log Kow	Partition coefficient n-octanol/water (Log Kow)
Log Pow	Partition coefficient n-octanol/water (Log Pow)
MAK	maximum workplace concentration
NOAEC	Concentration at which no adverse effect was observed
NOAEL	Dose or concentration at which no adverse effect was observed
NOEC	Concentration with no observed effects
NEG	Not Elsewhere Mentioned
OECD	Organisation for Economic Co-operation and Development, OECD
OEL	Occupational exposure limit
OSHA	Occupational Safety and Health Agency, USA
PBT	Persistent, bioaccumulative and toxic substance
PNEC	Predicted No Effect Concentration(s)
PPE	Personal protective equipment
RID	Regulations concerning the international carriage of dangerous goods by rail
VIB	Safety data sheet
STP	Water purification plant
TF	Technical function
ThZV	Theoretical oxygen demand (THD)
TLM	Median Tolerance Limit
TWA	Average weighted concentration over time
FOX	Volatile organic compounds
zPzB	Very persistent and very bioaccumulative, vPvB
UFI	Unique formula identifier

Full text of sentences H and EUH:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Chronic aquatic hazard, Category 2
Carc. 1B	Carcinogenicity, Category 1B
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity - single exposure, Category 3, respiratory tract irritation
H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause irritation of the respiratory tract.
H350	May cause cancer.
H411	Toxic to aquatic life with long lasting effects.

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental aspects only. It should not be taken as a guarantee of any specific property of the product.

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