

杭州奥泰生物技术股份有限公司 Hangzhou AllTest Biotech Co., Ltd	版本号 Version No.: 02 修订号 Revision No.: 01
化学品安全说明书 Material Safety Data Sheet	日期 Date: 2019-05-06 第 1 页 共 7 页 Page 1 of 7



## 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

<b>1.1 Product identifier</b>	
Trade Name:	Urinalysis Reagent Dipstick (Urine)
Catalog Number:	U031-01~14
<b>1.2 Relevand identified uses of the substance or mixture and uses advised against</b>	
For vitro diagnostic use only.	
<b>1.3 Details of the supplier of the safety data sheet</b>	
Manufacturer:	Hangzhou Alltest Biotech Co., Ltd
Address:	No 550, Yin Hai Street, Hangzhou Economy and Technology Development Area, Zhejiang Province, China
Phone number:	Phone number is available during office hours as follows: +86-0571-56267850
Fax number:	+86-0571-56267856
E-Mail Contact Person:	Yan.Zhang@alltests.com.cn
<b>1.4 Emergency Telephone Number</b>	
Contact the regional poison Control Center	

## 2 HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>	
<b>Classification according to regulation (EC) No. 1272/2008 appendix VII:</b>	
<b>Pyridine-2-aldoxime methochloride</b> Acute toxicity, Inhalation (Category 4), H332 Acute toxicity, Dermal (Category 4), H312 Acute toxicity, Oral (Category 4), H302	
<b>Tween 20</b> <i>Not applicable</i>	
<b>5-Sulfosalicylic acid dihydrate</b> Acute toxicity, Oral (Category 4), H302 Skin irritation (Category 2), H315 Eye irritation (Category 2), H319 Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335	
<b>Citric acid</b> <i>Not applicable</i>	
<b>Thymolphthalein</b> <i>Not applicable</i>	
<b>Methyl Orange</b> Acute toxicity, Oral (Category 3)	
<b>Peroxidase (horseradish)</b> <i>Not applicable</i>	
<b>Bromothymol Blue sodium salt</b> <i>Not applicable</i>	
<b>Pararosaniline acetate</b> Carcinogenicity (Category 2)	
<b>Magnesium sulfate heptahydrate</b> <i>Not applicable</i>	
<b>Triethanolamine borate</b> Skin irritation (Category 2), H315 Eye irritation (Category 2), H319 Specific target organ toxicity - single exposure (Category 3), H335	
<b>Boric acid</b> Reproductive toxicity (Category 1B), H360FD	
<b>3,3',5,5',-Tetramethylbenzidine</b> Skin irritation (Category 2), H315 Eye irritation (Category 2), H319 Specific target organ toxicity - single exposure (Category 3), H335	
<b>Polyvinylpyrrolidone</b> <i>Not applicable</i>	
For the full text of the H-Statements mentioned in this Section, see Section 16.	
<b>Chemical Ingredient Chemical Data / Information</b>	
<b>Classification according to regulation 67/548/EEC or regulation 1999/45/EC:</b>	
<b>Pyridine-2-aldoxime methochloride</b> Xn Harmful R20/21/22	
<b>Tween 20</b> <i>Not applicable</i>	
<b>5-Sulfosalicylic acid dihydrate</b> Xn Harmful R22, R36/37/38	
<b>Citric acid</b> <i>Not applicable</i>	
<b>Thymolphthalein</b> <i>Not applicable</i>	
<b>Methyl Orange</b> Toxic if swallowed.	
<b>Peroxidase (horseradish)</b> <i>Not applicable</i>	
<b>Bromothymol Blue sodium salt</b> <i>Not applicable</i>	
<b>Pararosaniline acetate</b> Limited evidence of a carcinogenic effect.	
<b>Magnesium sulfate heptahydrate</b> <i>Not applicable</i>	
<b>Triethanolamine borate</b> Xi Irritant R36/37/38	
<b>Boric acid</b> R60, R61	
<b>3,3',5,5',-Tetramethylbenzidine</b> Xi Irritant R36/37/38	
<b>Polyvinylpyrrolidone</b> <i>Not applicable</i>	

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For the full text of the R-phrases mentioned in this Section, see Section 16.

## 2.2 Label elements

### Labelling according to regulation (EC) No. 1272/2008

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

#### Hazard pictograms and Signal word: No

Don't need to identify according to regulation (EC) No. 1272/2008

#### Hazardous components for labeling:

##### Hazard statements:

##### Pyridine-2-aldoxime methochloride

H302 Harmful if swallowed

H312 Harmful in contact with skin

H332 Harmful if inhaled

**Tween 20** *Not applicable*

##### 5-Sulfosalicylic acid dihydrate

H302 Harmful if swallowed

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

**Citric acid** *Not applicable*

**Thymolphthalein** *Not applicable*

##### Methyl Orange

H301 Toxic if swallowed.

Precautionary statement(s)

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

**Peroxidase (horseradish)** *Not applicable*

**Bromothymol Blue sodium salt** *Not applicable*

##### Pararosaniline acetate

H351 Suspected of causing cancer.

P281 Use personal protective equipment as required.

**Magnesium sulfate heptahydrate** *Not applicable*

##### Triethanolamine borate

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation

**Boric Acid** H360FD May damage fertility. May damage the unborn child

##### 3,3',5,5',-Tetramethylbenzidine

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

**Polyvinylpyrrolidone** *Not applicable*

##### Precautionary statement(s) :

**Pyridine-2-aldoxime methochloride** Wear protective gloves/ protective clothing

**Tween 20** *Not applicable*

##### 5-Sulfosalicylic acid dihydrate

P261 Avoid breathing dust.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Citric acid** *Not applicable*

**Thymolphthalein** *Not applicable*

##### Methyl Orange

R-phrases) R25 Toxic if swallowed.

S-phrases) S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**Peroxidase (horseradish)** *Not applicable*

**Bromothymol Blue sodium salt** *Not applicable*

##### Pararosaniline acetate

R40 Limited evidence of a carcinogenic effect.

S22 Do not breathe dust.

S36 Wear suitable protective clothing.

**Magnesium sulfate heptahydrate** *Not applicable*

##### Triethanolamine borate

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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### Boric Acid

P201 Obtain special instructions before use.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

### 3,3',5,5',-Tetramethylbenzidine

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Polyvinylpyrrolidone **Not applicable**

### 2.3 Other hazards

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.

## 3 COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Substances

This product is a mixture

### 3.2 Mixtures

Hazardous ingredients	CAS No.	EINECS No.	Classification: Category Codes/ Hazard statement	W/W %
Pyridine-2-aldoxime methochloride	51-15-0	200-080-9	Acute Tox. 4; H302, H312, H332	<0.1%
Tween 20	9005-64-5	N/A	N/A	<0.1%
5-Sulfosalicylic acid dihydrate	5965-83-3	202-555-6	Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H302, H315, H319, H335	<0.1%
Citric acid	77-92-9	201-069-1	Eye Irrit. 2; H319	0.05%
Thymolphthalein	125-20-2	N/A	N/A	<0.1%
Methyl Orange	547-58-0	208-925-3	N/A	<0.1%
Peroxidase (horseradish)	9003-99-0	N/A	N/A	<0.1%
Bromothymol Blue sodium salt	34722-90-2	252-169-7	N/A	0.03%
Pararosaniline acetate	6035-94-5	227-918-6	N/A	<0.1%
Magnesium sulfate heptahydrate	0034-99-8	231-298-2	N/A	<0.1%
Triethanolamine borate	283-56-7	206-003-5	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335	0.05%
Boric acid	10043-35-3	233-139-2	Repr. 1B; H360FD	<0.1%
Polyvinylpyrrolidone	9003-39-8	N/A	N/A	0.07%

For the wording of the listed phrases refer to section 16

## 4 FIRST-AID MEASURES

### 4.1 Description of first aid measures

<i>After inhalation</i>	Remove person from exposure area to fresh air. If breathing becomes difficult, immediately call for emergency medical assistance. Treat symptomatically and supportively. Generally, this aqueous product is not a significant inhalation hazard in the kit volumes and concentrations present.
<i>After skin contact</i>	Remove contaminated clothing. Flush skin with copious water and wash affected area with soap and water. If blood-to-blood contact occurs or if more severe symptoms develop, consult a physician.
<i>After eye contact</i>	Flush eyes with copious water for at least 15 minutes. Ensure adequate flushing by separating the eyelids with fingers while flushing with water. OBTAIN MEDICAL ATTENTION.
<i>After Ingestion</i>	If ingested, wash out mouth thoroughly with water, provided the person is conscious, and OBTAIN MEDICAL ATTENTION. Call a physician or the local poison control center. Treat symptomatically and supportively. If vomiting occurs, keep head lower than hips to prevent aspiration.

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

Not applicable.

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

No data available.

## 5 FIRE-FIGHTING MEASURES

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<b>5.1 Extinguishing media</b>	
<i>Suitable extinguishing media:</i>	No special fire-fighting procedure required
<i>Unsuitable extinguishing media:</i>	Use fire-extinguishing methods suitable to surrounding conditions
<b>5.2 Special hazards arising from the substance or mixture</b>	
No data available.	
<b>5.3 Advice for fire-fighters</b>	
dry-chemical fire extinguisher	

<b>6 ACCIDENTAL RELEASE MEASURES</b>	
<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	
Avoid direct contact with skin, eyes, mucous membranes and clothing by wearing appropriate lab personal protective equipment (PPE) including gloves, lab coat and eye/face protection.	
<b>6.2 Environmental precautions</b>	
Avoid release to the environment.	
<b>6.3 Methods and material for containment and cleaning up</b>	
Clean up with broom.	
<b>6.4 Reference to other sections</b>	
Collect material and dispose of waste according to section 13.	

<b>7 HANDLING AND STORAGE</b>	
<b>7.1 Precautions for safe handling</b>	
<b>General hygiene measures:</b> Do not eat, drink or smoke in the area where specimens and kits are handled. Wash hands after use. Contaminated clothing and protective equipment must remove before entering eating areas.	
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	
<b>Information about storage conditions:</b> Note the storage conditions on product packaging. <b>Requirements for storage rooms and containers:</b> Store in a cool dry place.	
<b>7.3 Specific end uses</b>	
For rapid, qualitative and semi-quantitative detection of one or more of the following analytes in urine: Ascorbic acid, Creatinine, Microalbumin, Glucose, Bilirubin, Ketone (Acetoacetic acid), Specific Gravity, Blood, pH, Protein, Urobilinogen, Nitrite and Leukocytes. in human urine.	

<b>8 EXPOSURE CONTROLS/PERSONAL PROTECTION</b>	
<b>8.1 Control parameters</b>	
The product does not contain any relevant quantities of materials with critical values that have to be monitored in the workplace.	
<b>8.2 Exposure controls</b>	
<b>8.2.1 Appropriate engineering controls</b>	
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.	
<b>8.2.2 Personal protective equipment</b>	
<i>General protective and hygienic measures:</i>	Adhere to good laboratory practices (GLP) Wash hands before breaks and at the end of work.
<i>Respiratory protection</i>	Not required
<i>Protective gloves</i>	Disposable gloves
<i>Material of gloves</i>	Latex/natural rubber
<i>Penetration time of glove material</i>	Gloves resistance is not critical when the product is handled according to the instruction for use.
<i>Eye Protection</i>	Safety glasses
<i>Body protection</i>	Lab coat
<b>8.2.3 Environmental exposure controls</b>	
There are no special precautions and measures. See section 6 and 7!	

<b>9 PHYSICAL AND CHEMICAL PROPERTIES</b>	
<b>9.1 Information on basic physical and chemical properties</b>	
<i>Physical State:</i>	Solid

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Colour:	White appearance and some content of the test strip is colourful, see label.
Odour:	tasteness
Odour threshold:	Not established
Flash point:	Not established
Self-igniting:	Product is not known to be self-igniting
Danger of explosion:	There is no substances in the kit could lead to the danger of explosion
Melting point:	Not established
Boiling point:	Not established
Vapour pressure:	Not established
Density (20°C):	Not established
pH-value at 20°C:	Not established
Solubility in water:	The product almost could not solute in the water

#### 9.2 Other safety information:

No

### 10 STABILITY AND REACTIVITY

#### 10.1 Reactivity

The product is stable in accordance with the recommended storage conditions.

#### 10.2 Chemical stability

All the chemicals in the test kits are stable.

#### 10.3 Possibility of hazardous reactions

Almost impossible

#### 10.4 Conditions to avoid

High humidity and the temperature out of 2-30°C

#### 10.5 Incompatible materials

No

#### 10.6 Hazardous decomposition products

No

### 11 TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects (Mixture)

Acute toxicity:	Quantitative data on the toxic effects of this product is not available.
Irritation:	Irritating to skin and severely irritating or corrosive to eyes and, with greater exposures, can cause eye damage, including permanent impairment of vision or blindness.
Corrosivity:	Corrosive to eyes; with greater exposures may cause eye injury. Harmful if swallowed.
Sensitisation:	Contains a small volume of a very dilute. Though the potential for an allergic response is greatly reduced by the dilution, sensitization threshold is unknown; thus, handle accordingly.
Repeated dose toxicity:	Not yet investigate
Carcinogenicity:	Not yet investigate
Mutagenicity:	Not yet investigate
Toxicity for reproduction:	No reproductive toxic effect known.

### 12 ECOLOGICAL INFORMATION

#### 12.1 Toxicity

No data available

#### 12.2 Persistence and degradability

No data available

#### 12.3 Bioaccumulative potential

No data available

#### 12.4 Mobility in soil

No data 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

No data available

### 13 DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Product:	Chemical residues and remains should be routinely handled as special waste. This must be disposed of in compliance with anti-pollution and other laws of the country concerned. To ensure compliance we recommend that you contact the relevant (local)
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	authorities and/or an approved waste-disposal company for information.
<i>European waste catalogue:</i>	18 01 03 wastes whose collection and disposal is subject to special requirements in order to prevent infection.
<i>Packaging:</i>	Disposal must be made in accordance with local waste management regulations. Contaminated packaging must be disposed of in the same manner as the product. Non-Contaminated packaging materials may be recycled. Contact your local service providers for further information.

#### 14 TRANSPORT INFORMATION

<b>14.1 UN proper shipping name</b>
ADR/RID: Not applicable IMDG: Not applicable IATA: Not applicable
<b>14.2 Transport hazard class</b>
ADR/RID: - IMDG: - IATA: No hazardous good
<b>14.3 Packing group</b>
ADR/RID: - IMDG: - IATA: Not applicable
<b>14.4 Environmental hazards</b>
ADR/RID / IMDG-Code / ICAO-TI / IATA-DGR: <input type="checkbox"/> yes / <input checked="" type="checkbox"/> no
Marine Pollutant : <input type="checkbox"/> yes / <input checked="" type="checkbox"/> no
<b>14.5 Special precautions for user</b>
See sections 6-8
<b>14.6 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>
Delivery will only be taken in suitable and regulatory approved packaging

#### 15 REGULATORY INFORMATION

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>
<i>EU regulations:</i> This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
<b>15.2 Chemical Safety Assessment</b>
The mixture was not subjected to security assessment

#### 16 OTHER INFORMATION

<b>General information</b>
The information and recommendations presented in this MSDS are based on sources believed to be accurate. It is the user's responsibility to determine the suitability of the information for their particular purposes.
<b>Hazard Statement</b>
H301 Toxic if swallowed. H302 Harmful if swallowed. H312 Harmful in contact with skin H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled H335 May cause respiratory irritation. H351 Suspected of causing cancer.
<b>Risk phrases</b>
P201 Obtain special instructions before use P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P281 Use personal protective equipment as required. P308 + P313 IF exposed or concerned: Get medical advice/ attention. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do R25 Toxic if swallowed. R40 Limited evidence of a carcinogenic effect. S22 Do not breathe dust. S36 Wear suitable protective clothing. S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
<b>Legend :</b>

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ADR: European agreement concerning the international carriage of dangerous goods by road  
RID: International rules for the transport of dangerous goods by rail.  
IMDG: International Maritime Code for Dangerous goods  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organization  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
CAS: Chemical Abstracts Service (Versions of the American chemical society)