

Applicant: Jilin Test Bio-Electron Co., Ltd.  
Address: Room A218, No.1759 Mingxi Road, Beihu Technology Development Zone, Changchun City, Jilin Province

**Sample information:**

Sample name: Oil Quality Test Strips

Model: /

Sample composition/raw material (supplied by client): Refer to section 3 of the MSDS "Composition/Information on Ingredient"

Edit period: From November 7, 2019 to November 11, 2019

**Required service** : As specified by the client, to edit Material Safety Data Sheet (MSDS) by the submitted sample information.

**Summary** : As specified by the client, This safety data sheet was prepared in accordance with UN GHS Rev.7, The EU CLP REGULATION (EC) No 1272/2008, and US OSHA Hazard Communication Standards (29 CFR 1910.1200). Please refer to the attached report for details.

Shanghai Fajin Testing Technology Co.,Ltd

Prepared by:

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Reviewed by:

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Date: 2019.11.11

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# Material Safety Data Sheet

## (MSDS)

In accordance with GHS Rev. 7 and The EU CLP REGULATION (EC) No 1272/2008

### Section 1 - Chemical Product and Company Identification

#### 1.1 Product Identification:

Product Name: Oil Quality Test Strips  
Product Model: /

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

Identified uses: Oil Quality Test Strips  
Use advised against: No data available.

#### 1.3 Details of the Manufacture or supplier

Manufacture: Jilin Test Bio-Electron Co., Ltd.  
Address: Room A218, No.1759 Mingxi Road, Beihu Technology Development Zone, Changchun City, Jilin Province  
Telephone: +86-13504306965  
Fax: +86-431 88880131  
Email: yuhang@runbotest.com

#### 1.4 Emergency telephone number

Emergency Telephone: +86-13504306965

### Section 2 - Hazards Identification

#### 2.1 Classification of the substance or mixture

This product is not classified as hazardous according to the GHS (The Globally Harmonized System of Classification and Labelling of Chemicals).

#### 2.2 GHS Label elements, including precautionary statements

**Pictogram(s):** No pictogram is used.  
**Signal Word:** No signal word is used.  
**Hazard Statement:** No hazard statement.  
**Precautionary statements:** No precautionary statement.

#### 2.3 Description of any hazards not otherwise classified

No additional information available.

**Section 3 - Composition/Information on Ingredient**

Substance ( ) Preparation (✓) Article ( )

Composition:

Chemical name	CAS No.	Content (%)
Bromocresol green	76-60-8	0.2%
Bromothymol blue	76-59-5	2.8%
Trisodium citrate dihydrate	6132-04-3	0.1%
Filter paper	-	3.3%
Plastic sheet	-	93.6%

Abbreviation: CAS No. is Chemical Abstract Service Registry Number.

**Section 4 - First Aid Measures****4.1 Description of first aid measures:****Inhalation:** Cannot be inhaled, no special measures required.**Skin Contact:** Generally the product is safe for skin contact.**Eye Contact:** Cannot be contacted by inner eyes, no special measures required.**Ingestion:** Ingestion is unlikely under normal conditions. If largely ingested and feel unwell, seek medical attention.**4.2 Most important symptoms and effects, both acute and delayed**

No information available.

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

No medical attention measure required normally.

**Section 5 -Extinguishing media****5.1 Extinguishing media****Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.**5.2 Special hazards arising from the substance or mixture**

Combustible. Hazardous decomposition products formed under fire conditions. - Carbon oxides and small amount of sulfur oxides, bromide, etc..

**5.3 Advice for firefighters**

As in any fire, Wear self-contained breathing apparatus and full protective gear for firefighting if necessary.

**5.4 Further information**

No data available.

## Section 6 - Accidental Release Measures

For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. See Chapter 13 for information on disposal. Observe the relevant local and international regulations.

### 6.1 Personal precautions, protective equipment and emergency procedures:

Not required.

### 6.2 Environmental precautions:

No special environmental precautions required.

### 6.3 Methods and materials for containment and cleaning up:

Pick up or sweep up mechanically. No special measures required.

## Section 7 - Handling and Storage

### 7.1 Precautions for safe handling:

Use according product identified usage.

### 7.2 Conditions for safe storage, including any incompatibilities:

Store in cool and dry place. Do not store together with strong oxidizing agent. Keep away from fire and heat. Keep products dry and avoid moisture.

## Section 8 - Exposure Controls, Personal Protection

**8.1 Exposure Limits:** Not established.

### 8.2 Exposure controls

**Engineering Control:** No special measures required.

### Personal protective equipment:

**Respiratory Protection:** Not required.

**Eyes Protection:** Not required.

**Body Protection:** Not required.

**Hands Protection:** Not required.

**Other Protections:** Not required.

**Section 9 - Physical and Chemical Properties****Information on basic physical and chemical properties**

Appearance	Solid
Color	Blue
Odor	Odorless
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not applicable as not a liquid.
Evaporation rate	Not applicable.
Flammability	Not flammable.
Upper explosive limit % (V/V)	Not applicable as not a flammable gas.
Lower explosive limit % (V/V)	Not applicable as not a flammable gas.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	Insoluble in water
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

**Section 10 - Stability and Reactivity**

**10.1 Stability:** Stable under normal storage temperature and pressure.

**10.2 Conditions to Avoid:** keep away from open flames, hot surfaces.

**10.3 Incompatible materials:** Strong oxidizing agents.

**10.4 Hazardous Decomposition Products:** Other decomposition products- no data available. In the event of fire:see section 5.

**10.5 Possibility of hazardous reactions:** None hazardous reactions known under normal condition.

**Section 11 - Toxicological Information**

**Acute Toxicity:** No data available.

<b>Skin Corrosion/Irritation:</b>	No known irritating effect.
<b>Serious Eye Damage/Eye Irritation:</b>	No known irritating effect.
<b>Respiratory or Skin Sensitization</b>	No sensitizing effects known.
<b>Germ Cell Mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity:</b>	None of the components of this product is listed as a carcinogen by IARC, NTP, US OSHA.
<b>Reproductive Toxicity:</b>	Based on available data, the classification criteria are not met.
<b>Specific Target Organ Toxicity - Single Exposure (Globally Harmonized System):</b>	No known human health effects upon single exposure.
<b>Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System):</b>	No known human health effects upon repeated exposure.
<b>Aspiration Hazard:</b>	Based on available data, the classification criteria are not met.
<b>Potential Health Effects:</b>	
This product is regarded as articles, no hazardous substances are intended to be released and safe for normal handling.	
<b>Inhalation:</b>	Cannot be inhaled.
<b>Skin Contact:</b>	No irritating effect.
<b>Eye Contact:</b>	No irritating effect.
<b>Ingestion:</b>	Ingestion is unlikely under normal conditions.

## Section 12 - Ecological Information

### 12.1 Toxicity

Expected to be nonhazardous to environment under normal usage.

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No bioaccumulative potential

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

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.

### 12.6 Other adverse effects

No known ecological damage caused by this product.

### Section 13 - Disposal Considerations

#### Waste treatment methods

#### Product

Non hazardous waste. Small quantity can be disposed as household waste. As for big quantity, Observe according to the national and local related regulations.

#### Contaminated packaging

Dispose of as unused product.

### Section 14 - Transport Information

#### 14.1 UN Number:

ADR/RID, IMDG, IATA Not regulated as dangerous goods.

#### 14.2 UN proper shipping name:

ADR/RID, IMDG, IATA Not dangerous goods

#### 14.3 Transport hazard class(es):

ADR/RID, IMDG, IATA Not regulated as dangerous goods.

#### 14.4 Packing group:

ADR/RID, IMDG, IATA Not regulated as dangerous goods.

14.5 Environmental hazards: No.

14.6 Special precautions for user: No information available.

### Section 15 - Regulatory Information

#### EU Regulations

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Not classified.

#### US Regulations

OSHA: OSHA Hazard Communication Standard Status: This product is not considered to be a hazardous substance under OSHA' s Federal Hazard Communication Standard 29 CFR 1910.1200.

USA CERCLA:

CERCLA Reportable Quantity (RQ): This product has not been assigned a reportable quantity.

#### USA SARA

##### SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

##### SARA 313 Components (Specific toxic chemical listings)

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

##### California Proposition 65:

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## Section 16 - Additional Information

### 16.1 Reference

- |     |  |   |
|-----|--|---|
| [1] | IPCS: The International Chemical Safety Cards (ICSC)           | website: <a href="http://www.ilo.org/dyn/icsc/showcard.home">http://www.ilo.org/dyn/icsc/showcard.home</a>  |
| [2] | IARC   | website: <a href="http://www.iarc.fr/">http://www.iarc.fr/</a>  |
| [3] | OECD: The Global Portal to Information on Chemical Substances, | website:<br><a href="http://www.echemportal.org/echemportal/index?pageID=0&amp;request_locale=en">http://www.echemportal.org/echemportal/index?pageID=0&amp;request_locale=en</a> |
| [4] | CAMEO Chemicals,   | website: <a href="http://cameochemicals.noaa.gov/search/simple">http://cameochemicals.noaa.gov/search/simple</a>  |
| [5] | NLM: ChemIDplus,   | website:<br><a href="http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp">http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp</a>   |
| [6] | EPA: Integrated Risk Information System,                       | website: <a href="http://cfpub.epa.gov/iris/">http://cfpub.epa.gov/iris/</a>  |
| [7] | U.S. Department of Transportation: ERG,                        | website: <a href="http://www.phmsa.dot.gov/hazmat/library/erg">http://www.phmsa.dot.gov/hazmat/library/erg</a>  |
| [8] | Germany GESTIS-database on hazard substance                    | website: <a href="http://gestis-en.itrust.de/">http://gestis-en.itrust.de/</a>  |

### 16.2 Abbreviations and acronyms

pH	Relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline
OSHA	Occupational Safety and Health Administration
NTP	National Toxicology Program
IARC	International Agency for Research on Cancer
ACGIH	The American Conference of Governmental Industrial Hygienists
UN	The United Nations
ADR	Agreement on Dangerous Goods by Road
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
PC-STEL	Short term exposure limit
PC-TWA	Time Weighted Average



LC50	Lethal Concentration 50%
LD50	Lethal Dose 50%
NOEC	No Observed Effect Concentration
EC50	Effective Concentration 50%
PBT	Persistent, Bioaccumulative, Toxic
vPvB	very Persistent, very Bioaccumulative

**16.3 Disclaimer**

-This safety data sheet was prepared in accordance with UN GHS Rev.7, The EU CLP REGULATION (EC) No 1272/2008, and US OSHA Hazard Communication Standards (29 CFR 1910.1200).

-The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product

**16.4 Information on revision**

MSDS Creation Date:	November 11, 2019
MSDS Revision Date:	-
Reason For Revision:	-
MSDS Edition:	1.0

\*\*\*End of MSDS\*\*\*