Material Safety Data Sheet

This MSDS is authoring based on the data supplied by and identified on behalf of the client.

Sample Name:	Red Oil
Client Name:	Yueqing Tianen Meter Factory
Client Address:	No.130, Xilong Road, Liushi town, Yueqing, Wenzhou City, Zhejiang Province, China.
MSDS No.:	2026071571E
Issue Date:	July 15, 2026

Signed for and on behalf of
JINHUA HEBIAO TESTING TECHNOLOGY CO., LTD

Approved signator: David Chen

The information and recommendations set forth are made in good faith and believed to be accurate as of the date of preparation. We make no warranty, expressed or implied, with respect to this information and disclaim all liabilities from reliance on it.

Material Safety Data Sheet

1. Identification of the Substances/Preparation and of the Company/Undertaking

Product Identification:

Product Name: Red Oil

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

Identified uses: The red oil is used to display the scale of the differential pressure manometer

Use advised against: No data available.

Details of the Manufacture or supplier

Manufacturer: Yueqing Tianen Meter Factory

Address: No.130, Xilong Road, Liushi town, Yueqing, Wenzhou City, Zhejiang Province, China.

Post code: 518000

Tel.: +86-183-2900-1877

Fax: +86-577-62790044

Email: joyce@chinatianen.com

Emergency telephone number

Emergency Telephone: +86-577-62791222

2. Hazards Identification

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).

GHS Label elements

Pictogram(s): No pictogram is used.

Signal Word: No signal word is used.

Hazard Statement: No hazard statement.

Precautionary statements： No precautionary statement.

Description of any hazards not otherwise classified

No additional information available.

3. Composition/Information on Ingredients

Chemical Characterization

Mixture. Consist of the following ingredients.

Composition:

Ingredients	CAS No.	Content（%w/w）
Poly(dimethylsiloxane)	63148-62-9	99%
Red Pigment	-	1%

4. First-Aid Measures

Description of first aid measures:

Eye Contact: Flush eyes with plenty of water for several minutes, occasionally lifting the upper and lower eyelids. If eye irritation continues, contact a doctor.

Skin Contact: Wash off with soap and plenty of water. If skin irritation continues, contact a doctor.

Inhalation: If necessary, Remove to fresh air and keep at rest in a position comfortable for breathing.

Ingestion: Wash out mouth with water and drink appropriate amount of water. Seek medical attention.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in section 2 and section 11.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media: Water spray, dry chemical, carbon dioxide or alcohol-resistant foam.

Unsuitable extinguishing media: None known.

Special hazards arising from the substance or mixture

Decomposition products under fire condition - carbon monoxide, carbon dioxide, etc.

Advice for firefighters

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

Further information

No data available.

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.

Personal precautions, protective equipment and emergency procedures:

Evacuate area. Ventilate area. Avoid direct contact with spillage. Use suitable personal protective equipment.

Environmental precautions:

Stop leakage if safe. Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up:

Small Spill: Absorb with dry sand or other inert adsorption material.
Large Spill: Stop leak if without risk. Contain spillage, And then collect with an electrically protected vacuum cleaner or by wet-brushing and place in closed container. Keep in suitable, closed containers for recycle or disposal(see section 13).

7. Handling and Storage

Precautions for safe handling:

The usual precautionary measures for handling chemicals should be followed.

Use appropriate, approved safety equipment as in section 8.

Avoid contact with skin and eyes.

Wash thoroughly after handling.

Keep container tightly closed when not in use.

Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a dry and cool place. Do not store together with strong oxidizing agent. Avoid direct sunlight.

8. Exposure Controls/Personal Protection

Exposure Limits: Contains no substances with occupational exposure limit values.

Exposure controls

Engineering Control: General industrial hygiene practice.

Personal protective equipment:

Respiratory Protection: Not required under normal usage.

Eyes Protection: Not required under normal usage. Use face shield and safety glasses if in-eye risk exists. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Body Protection: Normal general work suit is enough.

Hands Protection: Handle with chemical-resistant gloves.

Other Protections: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. Physical and Chemical Properties

Information on basic physical and chemical properties	
Appearance	Liquid
Color	Red
Odor	Odorless
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	>110℃-close cup.
Evaporation rate	Not available.
Flammability	Not flammable.
Upper explosive limit %(V/V)	Not applicable.
Lower explosive limit %(V/V)	Not applicable.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density（water=1）	0.823.
Solubility(ies)	Insoluble in water.
Partition coefficient: n-octanol/water	Not available.
Ignition temperature	>300℃.
Decomposition temperature	Not available.

Viscosity	Not available.

10. Stability and Reactivity

Stability: Stable under normal storage temperature and pressure.

Conditions to Avoid: Overheat.

Incompatible materials: Strong oxidizing agents.

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

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

11. Toxicological Information

Acute Toxicity:	No data available.
Skin Corrosion/Irritation:	No known irritating effect.
Serious Eye Damage/Eye Irritation：	Based on available data, the classification criteria are not met.
Respiratory or Skin Sensitization	No known sensitization effect.
Germ Cell Mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity：	None of the components of this product is listed as a carcinogen by IARC, NTP, US OSHA .
Reproductive Toxicity：	Based on available data, the classification criteria are not met.
Specific Target Organ Toxicity - Single Exposure (Globally Harmonized System):	Based on available data, the classification criteria are not met.
Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System):	Based on available data, the classification criteria are not met.
Aspiration Hazard:	Based on available data, the classification criteria are not

met.

Potential Health Effects:	No obvious harmful symptoms and effects.
Inhalation:	No significant effect or harm under normal condition.
Skin Contact:	No significant effect or harm under normal condition.
Eye Contact:	May cause slight eye irritation.
Ingestion:	May be harmful if ingested.

12. Ecological Information

Toxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

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.

Other adverse effects

Do not allow materials to release to drains or water body.

13. Disposal Considerations

Waste treatment methods

Product

Recycle if possible. Offer surplus and non-recyclable products to a licensed disposal company.
Observe according to the national and local related regulations.

Contaminated packaging

Disposal as unused product after empty. Return to supplier for recycling if possible.

14. Transport Information

ADR/RID Information

ADR-UN Number: Not regulated for transport

ADR-Class: Not regulated for transport

ADR-Shipping Name: Not regulated for transport

ADRPacking Group: Not regulated for transport

IATA/ICAO Information

The product is not subject to IATA DGR.

IATA-UN Number: Not regulated for transport

IATA-Class: Not regulated for transport

IATA-Shipping Name: Not regulated for transport

IATA-Label: None

IATA-Packing Group: Not regulated for transport

IATA-S.P.: None

IATA-ERG: None

IMO/IMDG Information

The product is not subject to IMO/ IMDG Code.

IMDG-Marine Pollutant: No

IMDG-UN Number: Not regulated for transport

IMDG-Class: Not regulated for transport

IMDG-Shipping Name: Not regulated for transport

IMDG-Packing group: Not regulated for transport

IMDG-Storage Category: Not regulated for transport

15. Regulatory Information

International Regulations

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

No information available.

Chemical safety assessment

For this product a chemical safety assessment was not carried out.

16. Other Information

Further Information:

·This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

·This safety data sheet was prepared in accordance with Globally Harmonized System of Classification and Labeling of Chemicals (GHS) Rev. 11.

Department Issuing MSDS: Yueqing Tianen Meter Factory

Issue Date: July 15, 2026

**********End**********