



Zhejiang VALUE Mechanical & Electrical Products CO.,LTD
Add: Jiulong Avenue, Western Industrial Park of Wenling City, Zhejiang, China
Tel: +86-0576-861919/+86-0576-86191959
Fax: +86-576-86191957

Material Safety Data Sheet (MSDS)

Section 1、Chemical product and company identification

Product Name: VPO46 series vacuum pump oil
Supplier: Zhejiang VALUE Mechanical and Electrical Products Co., Ltd
-Address: Jiulong Road, Chengxi Industrial Zone, Wenling, Zhejiang, china
Telephone: 0576-86191959 Fax: 0576-86191957

Section 2、Composition/Information on ingredients

Chinese and English name: VPO46 High Vacuum Pump Oil
Molecular formula: C_nH_{2n+2}
Hazardous ingredients: No

Section 3、Hazards identification

Health hazard effect: 1. Long contact may cause mild dermatitis 2. Drawing into the lungs can induce chemical pneumonia or pulmonary edema
Environmental impact: 1. Slight water contaminant. 2. Possible harmful effect to water and underwater environment
Physical and chemical hazard: 1. Noninflammable matter 2. Static electricity may ignite vapor to bring hazard
Fire hazard: Produce water, carbon monoxide or carbon dioxide
Special hazard : No

Section 4、First aid measures

First aid measures of different exposed approach:

Inhalation: 1. Fresh air
2. If symptoms persist obtain medical advice.

Skin contact: 1. Avoid directly contacting and use watertight protective gloves as possible
2. Washout affected part with slowly flowing warm water as quickly for 20 minutes
3. Wash clothes, shoes and leather decorations(watch band, leather belt) that has been remove the contamination and discar

Eye contact: 1.Washout thoroughly with water for 5 minutes till clear away the contamination.
2.Immediately seek medical advice

Ingestion: 1. Move to the intake
2. Immediately seek medical advice



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Section 5. Fire fighting measures

Extinguishing Agent:

1. Dry powder, sand etc.
2. Never use strong water jets.

Abnormal combustion:

1. Produce smother. Use relative respiratory protection equipment and put out a fire.

Section 6. Accidental release measures

1. Absorb spills on inert material such as perlite, vermiculite, sand or dirt
2. Overflow drain to water can use oil skimmer to rake off oil
3. On the occasion of security clearance, prevent or reduce leakage

Section 7、 Handling and storage

- Handling:**
1. Periodic measurement of electrostatic capacity
 2. Operate in a well ventilated given area and adopt minimum
 3. Prepare emergency equipment that can put out a fire and treat leakage at any moment
 4. Remove all things that could cause fire. Avoid mist
 5. Use approved transportable container.
 6. Paste warning Mark “No smoking” in workaround
 7. Use ventilation system
- Storage:**
1. Keep container closed when not in use.
 2. Store only in a well ventilated, cool area.
 3. Keep away from open flame.
 4. Bulk tank to ground, equipotential connection while transfer and load
 5. Keep in a cool, dry, well ventilated place and no direct exposure from sun.
 6. Keep away from heat, flame and incompatible matter
 7. Store in a labeled proper container and avoid being damaged
 8. Keep unused and empty vessel closed
 9. Store in proper and qualified storage tank, room, cabinet and building
 10. Temperature and pressure: NPT



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Section 8、 Exposure controls

Engineering controls: 1. Use local exhaust 2. Use alone can't bring sparkles 3. Exhaust port directly to outside 4. Supply plenty of fresh air
Personal protection Respiratory protection: Use when steam appears. Eyes protection: Safety glasses(with side shields) Skin protection: Use chemical resistant gloves for prolonged skin contact. Nitrile coated apron or clothing. Other protection: No Sanitary measure: 1. Take off contaminated work clothes. Put it on till wash clean or throw away 2. Wash hands and face after treating the products 3. Coat skin protection ointment 4. No smoking and food in the workplace 5. Keep operational field clean

Section 9.Physical and chemical properties

State: Liquid	Odor: Odorless
Color: Light yellow to colorless	Pour point:-10℃
Decomposition temperature:-	Flash point:225℃
Explosion limit: No	Kinematic viscosity(40℃):41.4-50.6mm ⁻² /s
Solubility in Water: Insoluble	

Section 10.Stability and reactivity

Chemical stability: Stable
Possible hazardous reaction in special condition: Hazardous polymerization: Winn not occur Material to avoid: Heat, sparks, flames and other sources of ignition. Hazardous decomposition products: carbon dioxide, carbon monoxide, water Other information: No



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Section 11. Toxicological information

Non-Toxic Routes of entry: Inhalation, skin and ingestion
Inhalation: may cause irritation of respiration system Skin contact: long-term exposure can cause irritation of skin Ingestion: may cause irritation of digestive system

Section 12. Ecological information

Ecological testing has not been conducted on this product.
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Section 13. Disposal consideration

Take care in use and storage especially: Avoid skin-contact for a long time and inhalation of volatility vapor and mist. Thoroughly clean the working clothes. Keep container closed. Eliminate all harm such as flame, sparks.

Section 14. Transportation information

Means of delivery: Because railway tanker, tanker, oil tanker, barge, Can exist static gather danger, relevant grounding measure should be taken . Transport temperature: Normal temperature Loading temperature: Normal temperature
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Section 15. Regulatory information

Accordance with federal, state and local regulations about health, sanitation and safety of chemicals.
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Section 16. Other information

The product contained herein is used as a recommendation. If there are other applications, pls telephone to the maker.
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