

## **PRODUCT SAFETY DATA SHEET according to 93/112/EC**

**Product: P3 Oil**

### **1. Identification of Substance/Preparation and Company**

**Product name:**

P3 Oil

**Supplier:**

Pfeiffer Vacuum GmbH  
Berliner Str. 43  
D – 35614 Asslar  
Tel.: (0 64 41) 8 02-0  
Fax: (0 64 41) 8 02-2 02

### **2. Composition/Information of Ingredients**

**Preparation Description:**

Blend of highly refined mineral oils and additives.

**Dangerous components:**

On the basis of available information, the components of this preparation are not expected to impart hazardous properties to this product.

### **3. Hazards Identification**

**Human Health Hazards:**

Prolonged or repeated exposure may give rise to dermatitis. No specific hazards under normal use conditions.

**Safety Hazards:**

Contains mineral oil for which an exposure limit for oil mist applies.

**Environmental Hazards:**

Avoid spillage.  
Not readily biodegradable.

Product Safety Data Sheet for P3 oil

## **4. First Aid Measures**

### **Other information:**

#### **First aid – inhalation**

Remove to fresh air.

If rapid recovery does not occur, obtain medical attention.

#### **First aid – skin**

Remove contaminated clothing and wash affected skin with soap and water.

If high pressure injection injuries occur, obtain medical attention immediately.

#### **First aid – eye**

Rinse immediately with plenty of water for at least 10 minutes and seek medical advice.

#### **First aid – ingestion**

Do not induce vomiting

If rapid recovery does not occur, obtain medical attention.

#### **Advice to physicians**

Treat symptomatically

## **5. Fire Fighting Measures**

### **Extinguishing media:**

Foam, Dry chemical powder, carbon dioxide, sand or earth.

### **Unsuitable extinguishing media:**

Do not use water in a jet.

### **Specific hazards:**

Combustion is likely to give rise to a complex mixture of gases and airborne particulates, including carbon monoxide, oxides of sulphur, and unidentified organic and inorganic compounds.

## **6. Accidental Release Measures**

### **Personal precautions:**

Ventilate contaminated area thoroughly.

Minimise contact with skin.

### **Environmental precautions:**

Prevent further leakage or spillage and prevent from entering drains.

Prevent from spreading or entering into drains, ditches or rivers by

Product Safety Data Sheet for P3 oil

using sand, earth, or other appropriate barriers.

**Clean-up methods:**

Absorb or contain liquid with sand, earth or spill control material. Shovel into a suitable, clearly marked container for disposal or reclamation in accordance with local regulations.

**7. Handling and Storage**

**Handling:**

When using do not eat or drink. When handling product in drums, safety footwear should be worn and proper handling equipment should be used. Prevent spillages.

**Storage:**

Avoid direct sunlight, heat sources, and strong oxidising agents.

Recommended materials:

mild steel  
high density polyethylene  
for containers or container linings.

**8. Exposure Controls/Personal Protection**

**Engineering control measures**

**Occupational exposure standards:**

Component name	Limit type	Value/Unit	Other Information
Oil mist	8-h TWA	5 mg/m <sup>3</sup>	ACGIH
15-min STEL	10 mg/m <sup>3</sup>	ACGIH	

Respiratory protection:

Not normally required.

If oil mist cannot be controlled, a respirator fitted with an organic vapour cartridge combined with a particulate pre-filter should be used.

Hand protection:

PVC or nitril rubber gloves if splashes are likely to occur and if applicable.

Eye protection:

Safety spectacles.

Body protection:

Product Safety Data Sheet for P3 oil

Minimise all forms of skin contact.

Hygiene measures:

Don't keep oily rags in you pockets.

Wash hands before eating and drinking.

## 9. Physical and Chemical Properties

### Physical state:

Form: Liquid

Colour: Clear

### Safety relevant data:

Change of physical state:

Pourpoint  
(DIN ISO 3016) -15°C

Flashpoint  
(DIN ISO 3016) 264°C

Vapour pressure: (20°C): < 0.01 hPa

\* Density (15°C): 870 kg/m<sup>3</sup>  
(DIN 51 757 D)

Solubility in water (20°C):

n-octanol/water  
partition coefficient: Not applicable

Kin. Viscosity (40°C): 94 mm<sup>2</sup>/s  
(DIN 51 562, T.1)

## 10. Stability/Reactivity

### Stability:

Stable under normal use conditions.

### Materials to avoid:

Strong oxidising agents.

### Hazardous decomposition products:

Hazardous decomposition products are not expected to form during normal storage.

## **11. Toxicological Information**

### **Toxicological Data:**

Acute toxicity – oral:  
LD 50 expected to be > 2000 mg/kg.

Specific symptomatic results:  
Not available

Skin irritation:  
Eye irritation:  
Expected to be slightly irritant  
Skin sensitisation:  
Not expected to be a skin sensitiser.

Prolonged and/or repeated contact:  
Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis and may make the skin more susceptible to irritation and penetration by other materials.

Carcinogenicity:  
Product is based on mineral oils of types shown to be non-carcinogenic in animal skin-painting studies. Other components are not known to be associated with carcinogenic effects.

### **Human effects:**

**Other information:**  
Information given is based on a knowledge of the toxicology of similar products.

## **12. Ecological information**

**Persistence/degradability:**  
Information given is based on data on the components and the ecotoxicology of similar products.

Not readily biodegradable.

**Mobility:**  
Floats on water.

Liquid under most environmental conditions.  
If it enters soil, it will adsorb to soil particles and will not be mobile.  
Product has the potential to bioaccumulate.

Product Safety Data Sheet for P3 oil

**Ecotoxicity:**

Product is expected to be practically non-toxic to aquatic organism,  
LC/EC50 > 100 mg/L.

**13. Disposal Considerations**

**Product:**

Precautions:

Dispose to licensed disposal contractor

Waste disposal No. (EU):

13 02 02

**Container disposal:**

Drain container thoroughly

Dispose to licensed disposal contractor

Recommended cleaning procedure:

Cleaning by disposal contractor

**14. Transport Information**

Not dangerous for conveyance under UN, IMO, ADR/RID and IATA/ICAO codes.

**15. Regulatory Information**

**EC-Classification:**

Not classified as dangerous under EC criteria (incl. directive 98/98/EC (25. ATP)).

**16. Other Information**

**Additional Informations:**

Concawe Report 5/87 Health Aspects of Lubricants.

This information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Product Safety Data Sheet for P3 oil