



# PWS100 Oil

## SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH) & 1272/2008 (CLP)

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

- 1.1 Product identifier**  
GHS Product Identifier Not applicable.  
Chemical Name Not applicable.  
Trade name PWS100 Oil  
CAS No. Mixture  
EINECS No. Mixture
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Identified use(s) Synthetic Lubricant  
Uses advised against None.
- 1.3 Details of the supplier of the safety data sheet**  
Company Identification Permawick Company  
3110 Permawick Drive  
Columbus, IN, 47201 U.S.A.  
Telephone +1 (812) 376-0703  
Fax +1 (812) 372-1410  
E-Mail (competent person) sales@permawick.com  
Only Representative Experien Chemical Services (Europe) Limited  
PO Box 170  
Thirsk YO7 9AN UK  
Telephone +44 7791 573385 (UK 9am to 5pm)
- 1.4 Emergency telephone number**  
Emergency Phone No. Monday - Friday, 8 am – 4:30 p.m. (EST) (812) 376-0703  
CHEMTREC 24 hr. +1 (703) 527-3887 (Collect call accepted)

### SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**  
Regulation (EC) No. 1272/2008 (CLP). Not classified as dangerous for supply/use.
- 2.2 Label elements**  
Hazard Symbol None  
Signal word(s) None  
Hazard statement(s) None  
Precautionary statement(s) None
- 2.3 Other hazards** Not classified as PBT or vPvB.
- 2.4 Additional Information** None

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.2 Mixtures**  
Regulation (EC) No. 1272/2008 (CLP).

Hazardous ingredient(s)	%W/W	EC No. and CAS#	REACH REGISTRATION
Diphenyl amine	0.1-1.0	122-39-4 204-539-4	Yes

^ Not yet subject to REACH registration.

**3.3 Additional Information** - Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below. **None**

For full text of H/P phrases see section 16.

## SECTION 4: FIRST AID MEASURES



### 4.1 Description of first aid measures

Inhalation	Unlikely to be required but if necessary treat symptomatically.
Skin Contact	Wash affected skin with soap and water.
Eye Contact	Eyes should be washed with plenty of water. If symptoms occur obtain medical attention.
Ingestion	Unlikely to be required but if necessary treat symptomatically.

**4.2 Most important symptoms and effects, both acute and delayed** None

**4.3 Indication of the immediate medical attention and special treatment needed** None

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

-Suitable Extinguishing Media	Extinguish with waterspray, dry chemical, sand or carbon dioxide.
-Unsuitable Extinguishing Media	None anticipated.

**5.2 Special hazards arising from the substance or mixture** This product may give rise to hazardous fumes in a fire.

**5.3 Advice for fire-fighters** A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment and emergency procedures** Avoid skin contact. Avoid contact with eyes.

**6.2 Environmental precautions** Use appropriate container to avoid environmental contamination.

**6.3 Methods and material for containment and cleaning up** Contain and cover spilled substance with dry sand or earth or other suitable dry material. Transfer to a container for disposal or recovery.

**6.4 Reference to other sections** None

**6.5 Additional Information** None.

## SECTION 7: HANDLING AND STORAGE

**7.1 Precautions for safe handling** Avoid skin contact. Avoid contact with eyes.

**7.2 Conditions for safe storage, including any incompatibilities**

-Storage Temperature  
-Incompatible materials

Store at room temperature.  
Strong oxidising agents.

**7.3 Specific end use(s)**

Synthetic Lubricant

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters**

**8.1.1 Occupational Exposure Limits**

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note:
None known	-----	-----	-----	-----	-----	-----

Limit value type (country of origin)	SUBSTANCE.	CAS No.	Biological limit value	Note:
None known	-----	-----	-----	-----

**8.1.2 Recommended monitoring method**

Not available

**8.2 Exposure controls**

**8.2.1 Appropriate engineering controls**

Not normally required.

**8.2.2 Personal protection equipment**

Eye/face protection

Safety spectacles.



Skin protection (Hand protection/ Other)

Not normally required.



Respiratory protection

Not normally required.



Thermal hazards

Not normally required.

**8.2.3 Environmental Exposure Controls**

Not normally required.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Information on basic physical and chemical properties**

Appearance	Viscous Liquid
Colour	Clear to Straw yellow
Odour	No odour
Odour Threshold (ppm)	Not available.
pH (Value)	Not applicable.
Melting Point (°C) / Freezing Point (°C)	Not available.
Boiling point/boiling range (°C):	Not available.
Flash Point (°C)	>200 [Cleveland Open cup]
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Explosive limit ranges.	Not applicable.
Vapour Pressure (mm Hg)	Not available.
Vapour Density (Air=1)	Not available.
Density (g/ml)	0.95 (Water = 1)



# PWS100 Oil

Solubility (Water)	Not available.
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Temperature (°C)	Not available.
Decomposition Temperature (°C)	Not available.
Viscosity (mPa.s) (40°C) Base Oil	37.44
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
Solubility in Organic Solvent	Mineral Spirit
<b>9.2 Other information</b>	Not available.

## SECTION 10: STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	Stable under normal conditions.
<b>10.2 Chemical stability</b>	Stable.
<b>10.3 Possibility of hazardous reactions</b>	None anticipated.
<b>10.4 Conditions to avoid</b>	None
<b>10.5 Incompatible materials</b>	Oxidizers
<b>10.6 Hazardous Decomposition Product(s)</b>	Carbon monoxide, Carbon dioxide

## SECTION 11: TOXICOLOGICAL INFORMATION

<b>11.1 Information on toxicological effects</b>	
<b>11.1.1 Substances</b>	
Not applicable	
<b>11.1.2 Mixtures - By analogy with similar materials:</b>	
Acute toxicity	Oral: >5000 mg/kg Dermal: >5000 mg/kg
Skin corrosion/irritation	Unlikely to cause skin irritation.
Serious eye damage/irritation	Unlikely to cause eye irritation.
Respiratory or skin sensitization	Not to be expected.
Germ cell mutagenicity	Not to be expected.
Carcinogenicity	Not to be expected.
Reproductive toxicity	Not to be expected.
STOT - single exposure	Not to be expected.
STOT - repeated exposure	Not to be expected.
Aspiration hazard	Not to be expected.
<b>11.2 Other information</b>	None known.

## SECTION 12: ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	Mixture is not toxic to aquatic organisms
<b>Substances in preparations / mixtures</b>	
<b>12.2 Persistence and degradability</b>	There is evidence of degradation in soil and water.
<b>12.3 Bioaccumulative potential</b>	The substance has low potential for bioaccumulation.
<b>12.4 Mobility in soil</b>	The product has low mobility in soil.
<b>12.5 Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
<b>12.6 Other adverse effects</b>	None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>13.1 Waste treatment methods</b>	Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.
<b>13.2 Additional Information</b>	None known.



# PWS100 Oil

## SECTION 14: TRANSPORT INFORMATION

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number			
Proper Shipping Name			
Transport hazard class(es)			Not classified as dangerous for transport.
Packing group			
Environmental hazards			
Special precautions for user			

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

## SECTION 15: REGULATORY INFORMATION

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

15.1.1 EU regulations	Listed
Regulation (EC) 2037/2000 - Dangerous to the ozone layer.	No.
Regulation (EC) 850/2004 - Persistent Organic Pollutants	No.
Regulation (EC) 689/2008 - Export/Import of Dangerous Chemicals	No.
Regulation (EC) 1907/2006 - REACH Authorisations and/or restrictions on use	No.
15.1.2 National regulations	Not established.
15.2 Chemical Safety Assessment	Not applicable

## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1 - 16.

Hazard statement(s) and Precautionary statement(s):

### GHS Classification

- Not classified as dangerous for supply/use.

Training advice: None.

Additional Information: None.

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Permawick gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Permawick accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.