



# P2AO 40R Oil

## SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

#### Product identifier

Chemical Name	Not applicable
Trade name	P2AO 40R Oil
CAS No.	Mixture
EINECS No.	Mixture

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

Identified use(s)	Synthetic Bearing Lubricant
Uses advised against	None.

#### Details of the supplier of the safety data sheet

Company Identification	Permawick Company 3110 Permawick Drive Columbus, IN, 47201
Telephone	(812) 376-0703
Fax	(812) 372-1410
E-Mail (competent person)	sales@permawick.com
Only Representative	Experien Chemical Services (Europe) Limited PO Box 170 Thirsk YO 9AN UK *44 7791 573385 (UK 9am to 5pm)

#### Emergency telephone number

Emergency Phone No.	Monday - Friday, 8 am – 4:30 p.m. (EST) (812) 376-0703 CHEMTREC 24 hr. (800) 424-9300
---------------------	--

### SECTION 2: HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)	Asp. Tox. 1
-----------------------------	-------------

#### Label elements

Hazard Symbol



Hazard statement(s)

May be fatal if swallowed and enters airways.

Precautionary statement(s)

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
Do NOT induce vomiting.  
Store locked up.

Other hazards

Not classified as PBT or vPvB.

Additional Information

None known.

# P2AO 40R Oil

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredient(s)	%W/W	CAS No.	Hazard statement(s)
Dec-1-ene, homopolymer, hydrogenated	60 - 100	68037-01-4	May be fatal if swallowed and enters airways.

**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

## SECTION 4: FIRST AID MEASURES



### Description of first aid measures

Inhalation	Avoid inhalation of vapours. Move person to fresh air. Keep patient at rest and give oxygen if breathing difficult. If symptoms occur obtain medical attention.
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	Do not induce vomiting. Drink one glass of water. (or Milk.) Seek medical treatment.

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

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

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing media

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

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

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

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures** Avoid breathing dust/fume/gas/mist/vapours/spray.

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

# P2AO 40R Oil

**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.

**Reference to other sections** None

**Additional Information** None

## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling** Avoid breathing dust/fume/gas/mist/vapours/spray.

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

-Storage Temperature Store at room temperature.  
-Incompatible materials Strong oxidising agents.

**Specific end use(s)** Lubricating agent

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Occupational Exposure Limits**

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)		STEL (ppm)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
None	----	----	----	----	----	

**Recommended monitoring method** None

**Exposure controls**

**Appropriate engineering controls** Not normally required.

**Personal protection equipment**

Eye/face protection Safety spectacles.



Skin protection (Hand protection/ Other) Gloves



Respiratory protection Not normally required.



Thermal hazards Not normally required.

**Environmental Exposure Controls** Not normally required.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

Appearance Liquid

# P2AO 40R Oil

Colour	Clear / Amber.
Odour	Mild petroleum
Odour Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	Not available
Boiling point/boiling range (°C):	Not available
Flash Point (°C)	160 (320) [Cleveland Open cup]
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Explosive limit ranges	Not available
Vapour Pressure (Pascal)	Not available
Vapour Density (Air=1)	Not available
Density (g/ml)	0.82
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
Kinematic Viscosity (cSt) @ 40°C	5 at 40° C
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
<b>Other information</b>	Not available

## SECTION 10: STABILITY AND REACTIVITY

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

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on toxicological effects

Dec-1-ene, homopolymer, hydrogenated (CAS No. 68037-01-4)

#### Acute toxicity

-Ingestion	LD50 > 5000 mg/kg (rat)
-Inhalation	LC50 > 5.2 mg/l (4 hour(s)) (rat)
-Dermal	LD50 > 3000 mg/kg (rabbit)
-Irritation	Non-irritant.

#### Sensitisation

It is not a skin sensitiser.

#### Repeated dose toxicity

Oral NOAEL = 1000 mg/kg (rat)

#### Mutagenicity

Negative

#### Carcinogenicity

No data

#### Other information

IARC, NTP, OSHA, ACGIH do not list this product or any components thereof as known or suspected carcinogen.

## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity

Dec-1-ene, homopolymer, hydrogenated (CAS No. 68037-01-4)

#### Acute toxicity

Fish LL50 > 1000 mg/l (96 hour) ( <i>O. mykiss</i> )
Aquatic invertebrates: EL 50 > 1000 mg/l (48 hour) ( <i>D. magna</i> )
Algae EL50 > 1000 mg/l (72 hour) ( <i>S. capricornutum</i> )

# P2AO 40R Oil

<b>Long Term</b>	Aquatic invertebrates: NOELR = 125 mg/l ( <i>D. magna</i> ) (21 days)
<b>Persistence and degradability</b>	Not available
<b>Bioaccumulative potential</b>	Not available
<b>Mobility in soil</b>	Not available
<b>Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
<b>Other adverse effects</b>	None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>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>Additional Information</b>	None known.

## SECTION 14: TRANSPORT INFORMATION

<b>DOT (DEPARTMENT OF TRANSPORTATION)</b>	Not classified as dangerous for transport.
UN number	
Proper Shipping Name	
Transport hazard class(es)	
Packing Group	
Hazard label(s)	
Environmental hazards	
Special precautions for user	
<b>Land transport (ADR/RID)</b>	
UN number	Not classified as dangerous for transport.
Proper Shipping Name	
Transport hazard class(es)	
Packing Group	
Marine Pollutant	
Special precautions for user	
<b>Sea transport (IMDG)</b>	Not classified as dangerous for transport.
UN number	
Proper Shipping Name	
Transport hazard class(es)	
Packing Group	
Environmental hazards	
Special precautions for user	
<b>Air transport (ICAO/IATA)</b>	Not classified as dangerous for transport.
UN number	
Proper Shipping Name	
Transport hazard class(es)	
Packing Group	
Environmental hazards	
Special precautions for user	
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not established

## SECTION 15: REGULATORY INFORMATION

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

**TSCA (Toxic Substance Control Act)** - Inventory Status: All components listed or polymer exempt.

# P2AO 40R Oil

## Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	----	----	----

## SARA 311/312 - Hazard Categories:

Fire     Sudden Release     Reactivity     Immediate (acute)     Chronic (delayed)

## SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None	----	----

## SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	----	----	----

## SECTION 16: OTHER INFORMATION

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

Date of preparation: April 16, 2013

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.